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BRITISH METEOROLOGICAL AND MAGNETIC YEAR BOOK, 1918

PART V

RÉSEAU MONDIAL, 1918

MONTHLY AND ANNUAL SUMMARIES OF PRESSURE, TEMPERATURE, AND PRECIPITATION AT LAND STATIONS,

GENERALLY TWO FOR EACH TEN-DEGREE SQUARE OF LATITUDE AND LONGITUDE

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RÉSEAU MONDIAL, 1918

PREFACE

The publication of the Réseau Mondial commenced in 1917 with the volume containing the data for the year 1911. Subsequently the volumes for 1912, 1913, 1910, 1914, 1915, 1916 and 1917 were issued, in that order. An account of the history of the enterprise is given in the preface to the volume for 1914. Since the appearance of that volume, a meeting of the Commission appointed by the International Meteorological Committee to foster the enterprise has taken place, in connexion with the meeting of the Committee held in London in September 1921. The Commission approved the general form in which the results for the years 1910 to 1914 have been published, and adopted a resolution, subsequently endorsed by the Committee, requesting that the publication of similar data for ensuing years might be continued. The present volume, which forms the ninth of the series, and deals with the observations of the year 1918, is issued in response to that appeal. It should be mentioned, however, that all the information refers to land stations; it has not yet been practicable to give effect to the wishes of the Commission for the inclusion of data from the sea.

A list of the additions or changes made in the network of stations since the issue of the preceding volume is given below. These changes have been made after consultation with the Directors of the National Meteorological Services concerned.

Additions :—

Zone 1, 80° to 70° N. .. 157, Maudhavn.

The following substitutions have also been made :—

Substitutions:—

Zone 2, 70° to 60° N. .. 236, Lerwick. Station moved from Fort Charlotte (18m.) to Ander Hill (147m.) on May 16th.
Zone 4, 50° to 40° N. .. 441, Sofia for Monastir.
Zone 7, 20° to 10° N. .. 739, Katagum. Station moved to Hadeija on May 16th.
754, Waltair. Station moved to Vizagapatam from August 1918.
Zone 12, 30° to 40° S. .. 1241, Riversdale for Heidelberg.

The stations shown below have been closed and have consequently been deleted :—

Deletions :—

Zone 2, 70° to 60° N. .. 261, Olekminsk.
264, Oust-Maïskoe.
Zone 3, 60° to 50° N. .. 360, Blagoveshchensk Priisk.

The following station has been deleted :—Zone 6, 30° to 20° N. 650, Hyderabad, Sind; Jacobabad having been added to the square in 1915, as being more representative.

Owing to causes arising from the war data for stations shown in the following list are missing :—

Missing :—

Zone 1, 80° to 70° N. ..	105, Barrow.
Zone 2, 70° to 60° N. ..	244, Petrozavodsk.
Zone 3, 60° to 50° N. ..	345, Saratov.
Zone 4, 50° to 40° N. ..	446, Astrakhan.
Zone 5, 40° to 30° N. ..	546*a*, Lenkoran.
Zone 6, 30° to 20° N. ..	641, Siwa.
Zone 7, 20° to 10° N. ..	735, Ségou.
Zone 8, 10° to 0° N. ..	833, Conakry.
	838*a*, Libreville.
Zone 10, 10° to 20° S. ..	1030, Aracaju.
	1046, Sainte-Marie.
Zone 11, 20° to 30° S. ..	1127, Curityba.
	1169, Ouitchambo.

The total number of stations utilised was 449, as against 458 in 1917.

INTRODUCTION TO THE TABLES OF THE RÉSEAU MONDIAL, FOR THE YEAR 1918.

Subdivision of the Globe and numbering of Stations.—In order to facilitate the grouping of the information, the surface of the globe is divided into zones each covering ten degrees of latitude. These zones are numbered consecutively from north to south, the number 1 being assigned to the zone extending from latitude 80° N. to latitude 70° N., the northernmost one for which information is available. The corresponding zone in the Southern hemisphere, that extending from latitude 70° S. to latitude 80° S., accordingly becomes zone No. 16.

An identification number is assigned to each station. The first one or two digits in this number specify the zone to which the station belongs, and the last two digits indicate its position in longitude. For the latter purpose the zones are subdivided into 36 " squares," each extending over ten degrees of longitude, and two station numbers are assigned to each square. The enumeration of the stations starts from longitude 180° west of the meridian of Greenwich and proceeds eastward. A few examples will make the system clear. Station numbers 101 and 102 refer to the stations in zone 1 (i.e., between latitude 70° N. and 80° N.) between longitude 170° W. and 180° W. ; station numbers 335 and 336 to the stations in zone 3 (50° N. to 60° N.) between longitude 10° W. and 0° ; station numbers 1147 and 1148 to the stations in zone 11 (latitude 20° S. to 30° S.) between longitude 50° E. and 60° E., i.e., to the Indian Ocean. In cases where it has been found desirable to give data for more than two stations in one " square " the additional stations are distinguished by adding the letter " *a* " to the numbers appropriate to the square. For zone 6 between longitude 90° W. and 100° W. it was considered desirable to give data for the two Indian stations Cherrapunji and Gauhati, representing conditions at high and low levels, the mountain station Cherrapunji being indicated by the addition of the letter " *m* " to the number appropriate to Gauhati.

In the monthly tables the data are arranged by zones, and within each zone, in the order of the identification numbers of the stations.

Units.—Absolute units related to the metric system are employed throughout. Conversion tables showing the relation of these units to the units more commonly in use, will be found on pp. xvi to xviii of the Réseau Mondial (Tables) for 1914.

Authorities.—The data have been transcribed in most cases from the publications of the various meteorological institutes received in the Library of the Meteorological Office. Particulars of the sources from which they have been taken will be found in the *Table showing the Authorities for the Meteorology of the Globe*, printed at the end of the volume. In many cases the volumes for 1918 have not yet been issued and the data have therefore been taken from advance manuscript copies supplied by the courtesy of the Directors concerned, whose valued co-operation is hereby acknowledged. The data for some stations in the British Colonies have been transcribed from manuscript returns received in the Meteorological Office, and have not yet been published elsewhere. The majority of the stations for which information is given are under the control of government meteorological services ; it is therefore assumed that the recognised conventions regarding the instruments and their exposure have been followed. In the case of other stations information on these points is sometimes lacking, but no observations have been included that are known to be faulty in this respect. The positions of stations, their heights above sea-level and the spelling of names, have been taken from the official meteorological publications, if given, but in some cases it has been necessary to complete this information from other sources.

In the table for 1918 the symbol $\mathfrak{T}$ has been introduced to signify the true, or 24-hour, mean temperature. The letters *a*, *b*, *c*, etc., have replaced the symbols used in the volume for 1917 as references to the notes at the end of the Table of Authorities.

Height above Sea Level.—Particulars of the datum used in the European countries when specifying heights above sea level will be found in the Introduction to the volume of Tables for 1914.

Normals.—Wherever possible the departures from normal of the monthly values of mean pressure, mean temperature and precipitation, are given. It has not been possible to employ homogeneous series throughout. In all cases an endeavour is made to secure that the normals are based on the same combination of values as the current data, or a comparable one. The years to which the normals refer are given in the *Table showing the Authorities for the Meteorology of the Globe* at the end of the volume.

Pressure.—The tables provide space for the entries of mean monthly pressure both at station level and at mean sea level. If the value at sea level is not given in the publication from which the data have been transcribed, it has been computed in the Meteorological Office for all stations not exceeding 1,000 metres in altitude, for which the height above sea level was accurately known. The reduction is based on the *International Meteorological Tables*, allowance being made for the change of temperature with height. The reduction has not been made for stations at higher levels. The monthly means of pressure are based by preference on hourly values, but when such are not available, combinations of observations at other hours have been used. Particulars of the combination adopted at each station are given in the *Table showing the Authorities for the Meteorology of the Globe* under the heading " Remarks." Table I (p. vii) gives for certain stations the correction required to reduce the means computed in this way to the means computed from hourly observations. In cases in which it is possible to give values both for station level and for sea level, the differences from normal refer to the latter. For the stations of the Indian and Brazilian Services differences from normal refer, however, to station level.

Temperature.—The monthly tables include the means of the daily readings of maximum and minimum thermometers, the highest reading of the maximum and the lowest reading of the minimum thermometer, the mean temperature obtained from the mean maximum and mean minimum, and a column giving the observed or deduced mean of 24 hourly values per day.

(17185) Wt.25444/11404/1792 500 9/25 Harrow G.69.

The column headed "24 hr. mean" contains: in Roman type, means based on at least six equally spaced observations each day: in *italic* type, either (a) means based on observations at one or more fixed hours, with or without an appropriate correction; or (b) means obtained by applying an appropriate correction to the mean of the mean daily maximum and mean daily minimum. The methods by which these figures in italics have been deduced are in all cases set out in the Table of Authorities in the column headed "Remarks" pp. 105–114.

Precipitation.—The term precipitation includes rain, snow, hail and (if of measurable amount) dew. The solid precipitates are measured by the depth of water they yield or are computed to yield when melted.

Wind.—No information regarding wind is included in the general tables, but at the end of each monthly section daily observations of wind are given for selected stations in the tropics. At the foot of these tables the Resultant Direction and the "Constancy" are given. No account is taken of wind *strength* in computing these quantities; each observation of direction is regarded as a unit vector and the *resultant direction* is obtained by compounding the unit vectors. The "*constancy*" is represented by 100 times the ratio of the vector sum of the unit vectors to the number of observations (calms included). Direction is specified by the azimuth of the point *from* which the wind is blowing, and is measured in degrees from north through east.

State of Ice in the Arctic Seas.—The statistical information given for each month is supplemented by notes on the state of the ice in the Arctic Seas and in the North Atlantic Ocean.

Bibliography of the Meteorology of the Globe.—A bibliography will be found on page xv of the Réseau Mondial (Tables) 1914.

TABLE I.—*Corrections to reduce Means of Pressure at various hours or combinations of hours to True Mean.*

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
Zone 1.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
Gaasefiord for Inglefield Bay, ⅓ (8+14+21) (1)	0·0	0·0	0·0	0·0	0·0	−0·1	−0·1	0·0	0·0	0·0	0·0	0·0	0·0
Gaasefiord and Godthaab for Upernivik, ⅓ (8+14+21) (1)	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	0·0	0·0	0·0	0·0
Malye Karmakouly, ⅓ (7+13+21) (1)	+0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	+0·1	0·0
Waigatz, ⅓ (7+13+21) (1)	+0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	+0·1	0·0
Zone 2.													
Sitka for Nome, ½ (6+18) (8)	+0·1	+0·1	+0·2	+0·1	..	..	..	..	+0·1	+0·1	+0·1	+0·1	+0·1
Sitka for Nome, ½ (5+17) (8)	..	..	..	+0·1	+0·1	0·0	0·0	+0·1	+0·1	..	..	..	
Sitka for Tanana *and* Valdez, ½ (7+19) (8)	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1
Sitka for Eagle, ½ (8+19) (8)	+0·1	+0·1	+0·1	..	..	..	..	..	..	..	+0·1	+0·1	+0·1
Sitka for Eagle, ½ (7+18) (8)	..	..	..	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	..	..	
Godthaab, *and for* Jacobshavn, ⅓ (8+14+21) (1)	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1
Godthaab for Ivigtut, ⅓ (8+14+20) (1)	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1
Angmagsalik, ⅓ (8+14+21) (1)	+0·1	0·0	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	−0·1
Helsingfors, *and for* Kuopio, ⅓ (7+14+21) (8)	+0·1	+0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	+0·1	0·0
Kola, ⅓ (7+13+21) (1)	+0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Arkhangelsk, ⅓ (7+13+21) (1)	+0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Mezen, ⅓ (7+13+21) (1)	+0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Oust-Tsylma, ⅓ (7+13+21) (1)	+0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Tcherdyn, ⅓ (7+13+21) (1)	+0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	+0·1	0·0
Berezov, ⅓ (7+13+21) (1)	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Obdorsk, ⅓ (7+13+21) (1)	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Sourgout, ⅓ (7+13+21) (1)	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Doudinka, ⅓ (7+13+21) (1)	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Touroukhansk, ⅓ (7+13+21) (1)	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Iakoutsk, ⅓ (7+13+21) (1)	+0·1	0·0	0·0	−0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Verkhoïansk, ⅓ (7+13+21) (1)	+0·1	0·0	0·0	−0·1	0·0	0·0	0·0	+0·1	0·0	0·0	0·0	0·0	0·0
Zone 3.													
Sitka for St. Paul Is. *and* Dutch Harbor, ½ (6+18) (8)	+0·1	+0·1	..	..	..	..	..	..	..	..	..	..	+0·1
Sitka for Dutch Harbor ½ (1+13) (8)	..	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1
Sitka for Kodiak, ½ (7+19) (8)	+0·1	+0·1	..	..	..	..	..	..	..	..	..	..	+0·1
Sitka for Kodiak, ½ (2+14) (8)	..	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	−0·1	−0·1
Sitka, 20 h. (8)	+0·1	+0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	+0·1	0·0
Sitka and Victoria for Prince Rupert, ½ (5+17) (1)	+0·2	+0·2	+0·2	+0·2	+0·2	+0·1	+0·1	+0·2	+0·2	+0·2	+0·2	+0·1	+0·2
Victoria for Kamloops, ½ (4½+16½) (1)	+0·1	+0·2	+0·2	+0·2	+0·2	+0·2	+0·2	+0·2	+0·2	+0·2	+0·2	+0·1	+0·2
Victoria and Moose Jaw for Calgary, ½ (5½+17½) (1)	+0·2	+0·2	+0·2	+0·2	+0·2	+0·2	+0·2	+0·2	+0·3	+0·3	+0·2	+0·1	+0·2
Fort Confidence and Moose Jaw for Fort Chipewyan, ½ (8+18) (1)	0·0	+0·1	+0·1	+0·1	0·0	−0·1	−0·1	0·0	+0·1	+0·1	+0·1	+0·1	0·0
Moose Jaw for Prince Albert *and* Qu'Appelle, ½ (6+18) (1)	+0·3	+0·2	+0·2	+0·2	+0·2	+0·1	+0·1	+0·1	+0·2	+0·3	+0·3	+0·3	+0·2
Moose Jaw and Winnipeg for Minnedosa, ½ (7+19) (1)	+0·2	+0·1	+0·1	+0·1	+0·1	−0·1	−0·1	0·0	0·0	0·0	0·0	+0·1	0·0
Fort Churchill for Port Nelson, ½ (7¾+18½) (1)	−0·1	0·0	0·0	+0·1	+0·2	+0·3	+0·2	+0·1	+0·1	−0·1	−0·2	−0·2	0·0
Le Pas and Fredericton for Fort Hope, ½ (7+19) (1)	0·0	0·0	0·0	0·0	0·0	0·0	+0·1	+0·1	0·0	0·0	−0·1	−0·1	0·0
Le Pas and Fredericton for Moose Factory, ⅓ (9+14+19) (1)	+0·1	0·0	0·0	0·0	+0·1	+0·1	0·0	0·0	−0·1	−0·1	0·0	0·0	0·0
Hamburg and Upsala for Copenhagen, ⅓ (8+14+21) (2)	+0·1	−0·1	+0·1	+0·1	+0·1	+0·1	0·0	+0·1	+0·1	+0·1	0·0	−0·1	+0·1
Warsaw, ⅓ (7+13+21) (11)	+0·1	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	+0·1	0·0
Petrograd, ⅓ (7+13+21) (2)	+0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	+0·1	0·0
Kiev, ⅓ (7+13+21) (1)	+0·1	+0·3	0·0	−0·1	−0·4	−0·4	−0·3	−0·3	−0·1	−0·2	+0·1	+0·1	−0·1
Moscow, ⅓ (7+13+21) (1)	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	−0·1	0·0	0·0	0·0	0·0
Kazan, ⅓ (7+13+21) (1)	+0·1	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	+0·1	0·0
Orenburg, ⅓ (7+13+21) (1)	+0·1	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	−0·1
Perm, ⅓ (7+13+21) (1)	+0·1	0·0	0·0	0·0	0·0	0·0	−0·1	0·0	0·0	0·0	0·0	+0·1	0·0
Ekaterinburg, ⅓ (7+13+21) (1)	0·0	0·0	0·0	0·0	−0·1	0·0	−0·1	−0·1	0·0	0·0	0·0	+0·1	0·0
Tobolsk, ⅓ (7+13+21) (1)	0·0	0·0	0·0	0·0	0·0	0·0	−0·1	0·0	0·0	0·0	0·0	0·0	0·0
Akmolinsk, ⅓ (7+13+21) (1)	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	−0·1
Barnaoul, ⅓ (7+13+21) (2)	0·0	0·0	0·0	−0·1	−0·1	0·0	0·0	0·0	−0·1	0·0	0·0	0·0	0·0

TABLE I.—*Corrections to reduce Means of Pressure at various hours or combinations of hours to True Mean*—continued.

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
Zone 3—continued.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
Tomsk, ½ (7+13+21) (1)	0·0	0·0	0·0	0·0	−0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Minousinsk, ⅓ (7+13+21) (1)	0·0	0·0	0·0	−0·1	−0·1	0·0	−0·1	0·0	−0·1	0·0	0·0	0·0	0·0
Eniseisk, ½ (7+13+21) (1)	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Irkutsk, ½ (7+13+21) (2)	0·0	−0·1	−0·1	−0·2	−0·2	−0·2	−0·2	−0·2	−0·1	0·0	0·0	+0·1	−0·1
Kirensk, ⅓ (7+13+21) (1)	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	+0·1	−0·1
Tchita, ½ (7+13+21) (1)	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	+0·1	−0·1
Nertchinsk for Nertchinskii Zavod, ½ (7+13+21) (2)	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	+0·1	0·0
Tygan Ourkan, ½ (7+13+21) (1) ..	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	+0·1	0·0
Blagoveshchensk, ½ (7+13+21) (1) ..	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	+0·1	0·0
Paikanskii Sklad, ⅓ (7+13+21) (1) ..	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	+0·1	0·0
Nikolaevsk-sur-Amour, ⅓ (7+13+21) (1)	+0·1	0·0	−0·1	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	0·0	−0·1
Okhotsk, ½ (7+13+21) (1)	+0·1	0·0	0·0	0·0	−0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Sitka for Attu, 8 h. (8)	+0·1	+0·1	+0·2	+0·2	+0·2	+0·2	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1
Zone 4.													
Winnipeg for Port Arthur, ⅓ (7+14+19) (1)	0·0	+0·1	+0·1	+0·1	+0·1	0·0	0·0	+0·1	+0·1	0·0	0·0	0·0	0·0
New York, ½ (7+14+21) (1)	+0·1	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	+0·1	+0·1	0·0
St. John, N.B., ½ (9+15+21) (1) ..	−0·1	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·2	−0·1
Nice for Marseilles, ⅛ (7+10+12+16+18+22) (16)	0·0	−0·1	−0·1	0·0	..	..	..	..	..	..	..	..	−0·1
Nice for Marseilles, ⅛ (7+10+13+16+18+22) (16)	..	..	..	..	−0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Rome, ½ (9+15+21) (3)	−0·3	−0·3	−0·1	−0·1	−0·1	−0·2	−0·2	−0·2	−0·1	−0·3	−0·3	−0·2	−0·2
O-Gyalla for Buda-Pesth, ½ (7+14+21) (1)	+0·1	+0·1	0·0	+0·1	+0·1	+0·1	0·0	0·0	0·0	+0·1	+0·1	+0·1	0·0
Bucharest for Sofia, ⅓ (7+14+21) (1)	+0·1	+0·1	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	+0·1	+0·1	0·0
Bucharest, ⅓ (8+14+20) (13) ..	+0·1	0·0	0·0	0·0	−0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Odessa, ½ (7+13+21) (1)	+0·1	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	0·0
Kharkov, ½ (7+13+21) (1)	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	0·0	0·0
Novorossiisk, ⅓ (7+13+21) (1) ..	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·2	−0·1	−0·1	0·0	0·0	0·0	−0·1
Tiflis, ½ (7+13+21) (1)	+0·1	0·0	−0·1	−0·1	−0·1	−0·1	−0·2	−0·2	−0·1	0·0	0·0	+0·1	−0·1
Fort Alexandrovsk, ⅓ (7+13+21) (1)	+0·1	0·0	−0·1	−0·1	−0·1	−0·1	−0·2	−0·2	−0·1	−0·1	0·0	0·0	−0·1
Krasnovodsk, ½ (7+13+21) (1) ..	+0·1	0·0	−0·1	−0·1	−0·2	−0·2	−0·2	−0·2	−0·2	0·0	0·0	0·0	−0·1
Aralskoe More, ½ (7+13+21) (1) ..	+0·1	−0·1	−0·1	−0·1	−0·2	−0·1	−0·1	−0·2	−0·2	−0·1	0·0	0·0	−0·1
Tachkent, ½ (7+13+21) (1)	0·0	−0·1	−0·1	−0·2	−0·3	−0·2	−0·2	−0·3	−0·2	−0·1	0·0	0·0	−0·1
Narynskoe, ½ (7+13+21) (1)	0·0	−0·1	−0·1	−0·2	−0·3	−0·2	−0·2	−0·2	−0·2	−0·1	0·0	0·0	−0·1
Vernyi, ⅓ (7+13+21) (1)	0·0	−0·1	−0·1	−0·2	−0·3	−0·2	−0·2	−0·2	−0·2	−0·1	0·0	0·0	−0·1
Vladivostok, ½ (7+13+21) (1) ..	+0·1	0·0	−0·1	−0·1	−0·2	−0·2	−0·2	−0·2	−0·1	0·0	0·0	0·0	−0·1
Zone 5.													
Madeira (Funchal), ½ (9+15+21) (1)	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·2	−0·2	−0·2	−0·1	−0·1	−0·1	−0·1
Lisbon, ½ (9+15+21) (4)	−0·2	−0·1	−0·1	−0·2	−0·2	−0·1	−0·2	−0·1	−0·2	−0·2	−0·2	−0·1	−0·2
Lisbon for Gibraltar, ⅓ (7+13+21) (4)	0·0	−0·1	−0·1	−0·2	−0·2	−0·2	−0·3	−0·3	−0·2	−0·1	−0·1	0·0	−0·1
Bouzaréah for Melilla, ½ (8+16) (1) ..	+0·2	+0·2	+0·2	+0·1	+0·1	0·0	−0·1	0·0	+0·1	+0·1	+0·1	+0·1	+0·1
Palma, ½ (8+16) (1)	−0·1	+0·1	+0·1	+0·1	+0·1	+0·1	0·0	+0·1	+0·1	−0·1	0·0	+0·1	0·0
Metlaoui for Tunis, ⅓ (7+13+19) (1) ..	0·0	+0·1	+0·2	+0·2	+0·1	+0·1	+0·1	+0·1	0·0	0·0	−0·1	0·0	+0·1
Malta, 8 h. (1)	−0·6	−0·7	−0·7	−0·7	−0·8	−0·8	−0·9	−0·8	−0·8	−0·8	−0·7	−0·6	−0·7
Naples for Riposto, ½ (9+15+21) (2)	0·0	0·0	−0·1	−0·1	−0·1	−0·2	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1
Alexandria, ⅓ (8+14+20) (18) ..	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	−0·1	0·0	−0·1	0·0	0·0
Athens and Cairo for Nicosia, ½ (8+15) (1)	+0·2	+0·2	+0·2	+0·1	+0·1	+0·1	+0·1	+0·1	+0·2	+0·2	+0·2	+0·2	+0·2
Baghdad, 6½ h. (17)	0·0	−0·3	..	..	..	..	..	..	..	..	..	..	−0·5
Baghdad, 7 h. (17)	..	..	−0·5	−0·6	−0·6	−0·8	−0·9	−0·9	−0·7	−0·6	−0·5	−0·2	−0·6
Quetta, 8 h. (6)	−0·9	−0·9	−1·1	−1·2	−1·2	−1·4	−1·3	−1·2	−1·4	−1·5	−1·4	−1·1	−1·2
Peshawar, 8 h. (6)	−0·9	−1·1	−1·2	−1·4	−1·8	−2·1	−2·0	−1·9	−1·8	−1·8	−1·5	−1·0	−1·6
Lahore, 8 h. (6)	−0·7	−0·6	−1·0	−1·2	−1·3	−1·6	−1·3	−1·5	−1·4	−1·4	−1·0	−0·9	−1·1
Simla, 8 h. (6)	−0·2	−0·2	−0·2	−0·4	−0·6	−0·5	−0·5	−0·4	−0·5	−0·5	−0·6	−0·4	−0·4
Leh, 8 h. (6)	−1·0	−0·9	−1·4	−1·3	−1·3	−1·6	−1·8	−1·7	−1·9	−1·7	−1·5	−1·2	−1·5
Zi-Ka-Wei for Hankow, ⅓ (6+14+22) (7)	+0·3	+0·2	+0·2	+0·1	0·0	0·0	−0·1	0·0	0·0	+0·2	+0·2	+0·3	+0·1
Pekin for Tientsin, ⅓ (6+14+22) (8) ..	+0·3	+0·3	+0·1	0·0	−0·1	−0·1	−0·1	0·0	0·0	+0·1	+0·2	+0·3	+0·1
Zone 6.													
Mexico for La Paz, Chihuahua, Leon *and* Monterry, ½ (7+14+21) (1) ..	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	+0·2	0·0
Nassau, Bahamas, ½ (8+15) (1) ..	+0·1	+0·1	0·0	+0·1	0·0	+0·1	+0·2	+0·2	+0·1	+0·2	+0·1	+0·1	+0·1
Izana, ⅓ (7+14+21) (19)	0·0	0·0	−0·1	−0·1	−0·2	−0·2	−0·2	−0·2	−0·1	−0·1	0·0	0·0	−0·1
Khartoum and Cairo for Aswan, ⅓ (8+14+20) (18)	0·0	0·0	0·0	−0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0

TABLE I.—*Corrections to reduce Means of Pressure at various hours or combinations of hours to True Mean*—continued.

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
Zone 6—continued.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
Cairo and Aswan for Tor, ½ (8+14+20) (18)	0·0	0·0	0·0	0·0	0·0	0·0	0·0	+0·1	0·0	0·0	0·0	0·0	0·0
Bushire, 8 h. (6)	−0·8	−0·8	−0·9	−0·7	−0·8	−0·6	−0·5	−0·5	−0·7	−0·9	−1·0	−0·9	−0·7
Jask, 8 h. (6)	−1·2	−1·1	−1·1	−1·0	−1·0	−0·8	−0·6	−0·8	−1·0	−1·1	−1·3	−1·2	−1·0
Karachi, 8 h. (6)	−1·5	−1·5	−1·4	−1·3	−1·3	−0·9	−0·8	−1·0	−1·2	−1·4	−1·5	−1·5	−1·3
Jacobabad, 8 h. (6)	−1·1	−1·3	−1·7	−1·7	−1·8	−1·7	−1·5	−1·4	−1·5	−1·4	−1·4	−1·2	−1·5
Jaipur, 8 h. (6)	−1·1	−1·2	−1·5	−1·6	−1·8	−1·6	−1·2	−1·2	−1·4	−1·6	−1·3	−1·3	−1·4
Nagpur, 8 h. (6)	−1·7	−1·9	−2·1	−2·3	−2·2	−1·4	−1·2	−1·2	−1·5	−1·7	−1·8	−1·7	−1·7
Allahabad, 8 h. (6)	−1·5	−1·6	−1·9	−2·0	−1·9	−1·7	−1·2	−1·2	−1·6	−1·7	−1·7	−1·6	−1·6
Darjiling, 8 h. (6)	−0·3	−0·3	−0·6	−0·8	−0·9	−0·8	−0·6	−0·6	−0·8	−0·8	−0·7	−0·5	−0·6
Calcutta, 8 h. (6)	−1·6	−1·6	−1·7	−1·8	−1·5	−1·1	−0·9	−1·0	−1·2	−1·6	−1·7	−1·7	−1·5
Dinajpur and Sibsagar for Gauhati, 8 h. (6)	−1·7	−1·6	−1·9	−2·0	−1·8	−1·4	−1·4	−1·5	−1·6	−1·8	−1·9	−1·8	−1·7
Akyab, 8 h. (6)	−1·5	−1·5	−1·6	−1·7	−1·1	−0·8	−0·8	−0·9	−1·2	−1·4	−1·3	−1·5	−1·3
Mandalay, 8 h. (6)	−1·7	−1·8	−2·1	−2·1	−1·7	−1·4	−1·3	−1·3	−1·6	−1·8	−1·8	−1·8	−1·7
Phu Lien for Moncay, ½ (10+16) (9) ..	−0·3	−0·2	−0·2	−0·1	+0·1	+0·2	+0·2	+0·2	+0·1	−0·1	−0·1	−0·1	0·0
Hong Kong for Amoy, 9 h. (13)	−1·8	−1·7	−1·6	−1·5	−1·3	−1·0	−0·9	−0·8	−1·2	−1·6	−1·7	−1·8	−1·4
Zone 7.													
Mexico for Colima, Morelia, Oaxaca *and* Salina Cruz, ⅓ (7+14+21) (1) ..	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	+0·2	0·0
Port au Prince, ½ (7+13+21) (13) ..	−0·1	−0·2	−0·3	−0·3	−0·3	−0·2	−0·2	−0·2	−0·2	−0·2	−0·1	−0·1	−0·2
St. Kitts for Montserrat, ½ (9+15) (13)	−0·3	−0·3	−0·2	−0·1	0·0	+0·1	+0·1	+0·1	0·0	−0·1	−0·1	−0·2	−0·1
Barbados, ½ (9+15) (13)	−0·3	−0·1	−0·1	0·0	+0·1	+0·1	0·0	−0·2	−0·3	−0·1	−0·1	−0·2	0·0
Duala for Kaduna, 9 h. (1)	−1·7	−1·7	−1·8	−1·8	−1·7	−1·6	−1·6	−1·6	−1·8	−1·9	−1·7	−1·7	−1·7
Khartoum, *and for* El Obeid, ⅓ (8+14+20) (18)	−0·1	0·0	0·0	−0·1	−0·1	−0·1	−0·1	0·0	0·0	0·0	−0·1	−0·1	−0·1
Khartoum and Cairo for Port Sudan, ⅓ (8+14+20) (18)	0·0	0·0	0·0	−0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Aden, 8 h. (6)	−1·6	−1·7	−1·7	−1·5	−1·6	−2·0	−2·1	−2·2	−1·9	−1·4	−1·7	−1·3	−1·8
Bombay, 8 h. (6)	−2·0	−1·9	−2·0	−2·0	−1·8	−1·1	−1·0	−1·2	−1·6	−2·0	−2·2	−2·1	−1·8
Cochin, 8 h. (6)	−1·9	−1·8	−1·8	−1·6	−1·2	−0·7	−0·7	−0·9	−1·2	−1·4	−1·6	−1·8	−1·4
Bangalore, 8 h. (6)	−1·7	−1·7	−1·9	−2·1	−1·8	−1·2	−1·0	−1·3	−1·5	−1·7	−1·6	−1·7	−1·6
Madras, 8 h. (6)	−1·5	−1·5	−1·7	−1·7	−1·6	−1·6	−1·5	−1·6	−1·8	−1·7	−1·5	−1·5	−1·6
Waltair, 8 h. (6)	−1·7	−1·6	−1·8	−1·8	−1·7	−1·2	−1·1	−1·2	−1·3	−1·6	−1·6	−1·7	−1·5
Port Blair, 8 h. (6)	−1·3	−1·2	−1·2	−1·3	−1·1	−0·9	−0·8	−0·9	−1·1	−1·2	−1·2	−1·3	−1·1
Rangoon, 8 h. (6)	−1·7	−1·9	−2·1	−2·2	−1·6	−1·0	−1·0	−1·0	−1·3	−1·8	−1·5	−1·8	−1·6
Bolinao, ½ (6+14) (1)	+0·5	+0·5	+0·5	+0·5	+0·5	+0·5	+0·4	+0·5	+0·6	+0·6	+0·6	+0·6	+0·5
Ormoc, ½ (6+14) (1)	+0·7	+0·6	+0·6	+0·7	+0·6	+0·6	+0·6	+0·7	+0·7	+0·7	+0·7	+0·7	+0·7
Zone 8.													
Duala for Lagos, 9 h. (1)	−1·7	−1·7	−1·8	−1·8	−1·7	−1·6	−1·6	−1·6	−1·8	−1·9	−1·7	−1·7	−1·7
Entebbe, ½ (7+14+21) (1)	+0·1	0·0	−0·2	−0·2	−0·2	0·0	+0·1	+0·2	+0·1	−0·2	−0·3	−0·1	−0·1
Colombo, ½ (9½+15½) (6)	+0·1	+0·1	+0·1	+0·1	+0·2	+0·2	+0·2	+0·2	+0·2	+0·2	+0·2	+0·1	+0·2
Trincomalee, ½ (9½+15½) (6)	−0·1	−0·1	0·0	+0·2	+0·3	+0·3	+0·4	+0·3	+0·3	+0·2	+0·1	0·0	+0·2
Singapore, *and for* Penang, ½ (9+15+21) (2)	−0·2	−0·2	−0·2	−0·3	−0·2	−0·2	−0·2	−0·2	−0·2	−0·3	−0·2	−0·3	−0·2
Manila for Iwahig, ½ (6+14) (13) ..	+0·7	+0·6	+0·6	+0·6	+0·6	+0·5	+0·5	+0·6	+0·7	+0·7	+0·7	+0·7	+0·6
Zone 9.													
Malden Island, 9 h. (1)	−1·4	−1·4	−1·6	−1·6	−1·6	−1·2	−1·5	−1·5	−1·6	−1·6	−1·4	−1·3	−1·5
Quixeramobim, *and for* Turyassu and Barra do Corda, ⅓ (7+14+21) (1) ..	0·0	0·0	0·0	0·0	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	0·0	+0·1	+0·1
Zanzibar, 8 h. (6)	−2·1	−2·1	−1·6	−1·3	−1·1	−1·1	−1·1	−1·1	−1·3	−1·6	−1·5	−1·6	−1·5
Ocean Island, ½ (9+21) (1)	−1·4	−1·2	−1·4	−1·4	−1·4	−1·0	−1·2	−1·2	−1·3	−1·3	−1·3	−1·2	−1·3
Zone 10.													
Rikitea and Apia for Makatea, ⅓ (6+12+18) (1)	+0·1	+0·1	+0·2	+0·2	+0·1	+0·1	+0·1	+0·1	+0·2	+0·1	+0·2	+0·1	+0·1
Arequipa, ½ (10+22) (14)	−0·6	−0·7	−0·7	−0·6	−0·7	−0·6	−0·7	−0·7	−0·7	−0·7	−0·6	−0·6	−0·7
St. Helena, 9 h. (1)	−1·2	−1·2	−1·3	−1·3	−1·3	−1·1	−1·1	−1·1	−1·1	−1·0	−1·1	−1·2	−1·2
Kimberley and Zomba for Gwelo, 9 h. (1)	−1·4	−1·5	−1·4	−1·4	−1·4	−1·3	−1·3	−1·4	−1·5	−1·5	−1·5	−1·4	−1·4
Salisbury, 9h. (20)	−1·3	−1·3	−1·5	−1·3	−1·3	−1·2	−1·3	−1·5	−1·7	−1·7	−1·7	−1·4	−1·4
Zomba, ½ (9+21) (1)	−0·8	−0·8	−0·8	−0·9	−0·9	−0·9	−0·9	−1·0	−1·0	−0·9	−0·9	−0·9	−0·9
Tananarive, ½ (7+13+18) (1) ..	+0·2	+0·2	+0·3	+0·3	+0·3	+0·2	+0·2	+0·3	+0·3	+0·3	+0·2	+0·2	+0·2
Derby, ½ (9+15) (1)	0·0	0·0	0·0	0·0	0·0	+0·1	+0·1	+0·1	0·0	0·0	0·0	0·0	0·0
Halls Creek, ½ (9+15) (1)	+0·2	+0·2	+0·2	+0·2	+0·2	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3	+0·2	+0·3
Darwin, ½ (9+15) (1)	0·0	0·0	0·0	+0·1	+0·2	+0·1	+0·1	+0·1	0·0	0·0	−0·1	−0·1	0·0
Daly Waters, ½ (9+15) (1)	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3
Mein, ½ (9+15) (1)	0·0	0·0	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	0·0	0·0	0·0	0·0	+0·1

TABLE I.—*Corrections to reduce Means of Pressure at various hours or combinations of hours to True Mean*—continued.

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
Zone 10—continued.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
Georgetown, Queensland, ½ (9+15) (1)	+0·1	+0·1	+0·2	+0·2	+0·2	+0·3	+0·3	+0·3	+0·3	+0·3	+0·2	+0·2	+0·2
Apia for Suva, Fiji, 9 h. (10)	−1·2	−1·3	−1·5	−1·4	−1·5	−1·5	−1·4	−1·4	−1·5	−1·4	−1·3	−1·2	−1·4
Zone 11.													
Santiago for Punta Tortuga, ⅓ (7+14+21) (1)	−0·3	−0·2	−0·2	0·0	0·0	+0·1	+0·1	0·0	−0·1	−0·1	−0·2	−0·3	−0·1
Mollendo for Iquique, ⅓ (7+14+21) (14)	−0·1	−0·1	0·0	0·0	0·0	+0·1	+0·1	0·0	0·0	−0·1	−0·2	−0·1	0·0
Kimberley, ⅓ (8+14+20) (15) ..	0·0	0·0	0·0	0·0	0·0	0·0	+0·1	0·0	0·0	0·0	0·0	0·0	0·0
Johannesburg, *and for* Pretoria, 8½ h. (13)	−1·0	−1·1	−1·1	−1·1	−1·0	−1·0	−1·1	−1·3	−1·3	−1·2	−1·1	−1·1	−1·1
Onslow, ⅓ (9+15) (1)	−0·2	−0·2	−0·1	−0·1	−0·1	0·0	0·0	0·0	−0·1	−0·1	−0·1	−0·2	−0·1
Peak Hill, ⅓ (9+15) (1)	0·0	0·0	+0·1	+0·1	+0·2	+0·2	+0·3	+0·3	+0·2	+0·2	+0·1	+0·1	+0·2
Nullagine, ⅓ (9+15) (1)	0·0	0·0	+0·1	+0·1	+0·2	+0·2	+0·3	+0·3	+0·2	+0·2	+0·1	+0·1	+0·2
Laverton, ⅓ (9+15) (1)	+0·2	+0·2	+0·2	+0·2	+0·3	+0·3	+0·4	+0·4	+0·4	+0·4	+0·3	+0·3	+0·3
Alice Springs, ⅓ (9+15) (1)	+0·6	+0·5	+0·7	+0·7	+0·8	+0·9	+0·9	+1·0	+1·0	+0·9	+0·9	+0·8	+0·8
William Creek, ⅓ (9+15) (1)	+0·3	+0·3	+0·2	+0·2	+0·3	+0·3	+0·4	+0·4	+0·4	+0·4	+0·3	+0·3	+0·3
Boulia, ⅓ (9+15) (1)	+0·4	+0·4	+0·5	+0·5	+0·6	+0·6	+0·7	+0·7	+0·7	+0·7	+0·6	+0·5	+0·6
Mitchell, *and for* Thargomindah, ⅓ (9+15) (1)	0·0	+0·1	+0·1	+0·2	+0·3	+0·3	+0·4	+0·4	+0·5	+0·5	+0·3	+0·2	+0·3
Rockhampton ⅓ (9+15) (1)	−0·2	−0·1	−0·1	0·0	0·0	+0·1	+0·1	+0·1	+0·2	+0·2	+0·1	−0·1	0·0
Brisbane, ⅓ (9+15) (1)..	−0·2	−0·1	−0·1	0·0	0·0	+0·1	+0·1	+0·1	+0·2	+0·2	+0·1	−0·1	0·0
Zone 12.													
Valdivia for Punta Tumbes, ⅓ (7+14+21) (1)	0·0	0·0	−0·1	−0·1	−0·1	0·0	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1
Santiago, *and for* Valparaiso, ⅓ (7+14+21) (1)	−0·3	−0·2	−0·2	0·0	0·0	+0·1	+0·1	0·0	−0·1	−0·1	−0·2	−0·3	−0·1
Cape Town, ⅓ (8½+12½+20½) (2) ..	−0·4	−0·4	−0·3	−0·3	−0·2	−0·2	−0·2	−0·3	−0·3	−0·3	−0·3	−0·3	−0·3
Cape Town for Danger Point, Riversdale and East London, 8½ h. (2) ..	−0·5	−0·6	−0·7	−0·7	−0·7	−0·7	−0·7	−0·8	−0·8	−0·7	−0·6	−0·5	−0·7
Cape Leeuwin for Perth, ½ (9+15) (1)	−0·2	−0·3	−0·1	0·0	0·0	+0·1	+0·1	+0·1	0·0	−0·1	−0·2	−0·2	−0·1
Breaksea Island for Katanning, ½ (9+15) (1)	0·0	0·0	0·0	0·0	+0·1	+0·2	+0·1	+0·2	0·0	+0·1	+0·1	0·0	+0·1
Coolgardie, ½ (9+15) (1)	+0·1	+0·1	+0·1	+0·1	+0·2	+0·2	+0·3	+0·3	+0·3	+0·3	+0·2	+0·2	+0·2
Eucla, ½ (9+15) (1)	+0·1	+0·1	+0·1	+0·1	+0·1	+0·2	+0·2	+0·2	+0·3	+0·3	+0·2	+0·2	+0·2
Streaky Bay, ½ (9+15) (1)	+0·1	+0·1	0·0	0·0	0·0	+0·1	+0·1	+0·1	+0·2	+0·2	+0·2	+0·1	+0·1
Bourke, ½ (9+15) (1)	+0·1	+0·2	+0·2	+0·3	+0·4	+0·4	+0·5	+0·5	+0·5	+0·5	+0·4	+0·2	+0·3
Zone 13.													
Santiago, Punta Arenas for Isla Huafo *and* Punta Galera, ⅓ (7+14+21) (1)	−0·3	−0·1	−0·1	0·0	+0·1	+0·1	+0·1	0·0	−0·1	−0·1	−0·1	−0·3	−0·1
Hobart, *and for* Launceston, ½ (9+15) (1)	+0·2	+0·2	+0·2	+0·1	0·0	+0·1	+0·2	+0·1	+0·1	+0·2	+0·3	+0·3	+0·2
Zone 14.													
Punta Arenas, *and for* Islota de los Evangelistas and Punta Dungeness, ⅓ (7+14+21) (1)	−0·1	−0·1	−0·1	0·0	+0·1	+0·1	+0·2	+0·1	0·0	0·0	0·0	−0·1	0·0
South Georgia, ⅓ (8+14+20) (1) ..	0·0	+0·1	0·0	−0·1	−0·1	+0·2	+0·2	+0·2	+0·1	0·0	0·0	+0·1	+0·1

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(20) *Corrections supplied by* Salisbury, Department of Agriculture.

		Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
1910–1918.														
237. *Bergen* (Met. Obs.). Temperature, Mean Max. (A) and Mean [½ (A and B)] *to be inserted* :— (*Note.*—B indicates Mean Min.)														
1910	A	275·9	278·2	279·4	280·5	287·8	290·0	292·1	292·0	287·1	283·7	277·5	279·2	283·6
	½ (A and B)	273·7	275·8	276·9	278·0	284·1	286·5	288·3	288·9	284·5	281·0	275·1	276·9	280·8
1911	A	277·0	277·3	278·9	280·9	288·7	289·6	290·6	291·2	286·3	282·4	278·9	279·9	283·5
	½ (A and B)	274·9	275·1	275·6	278·1	285·1	286·1	287·3	288·1	284·0	279·4	276·5	277·9	280·7
1912	A	274·8	277·0	280·2	282·4	284·4	289·8	292·9	290·1	285·8	282·9	278·5	279·5	283·2
	½ (A and B)	272·6	274·7	277·9	278·5	281·4	286·5	289·4	287·1	283·1	280·7	276·7	277·5	280·5
1913	A	276·0	277·5	279·1	282·7	286·6	289·4	291·3	289·4	288·8	284·6	281·9	277·1	283·7
	½ (A and B)	273·7	275·5	276·5	279·5	283·3	285·9	287·6	286·3	285·5	281·7	279·9	274·7	280·9
1914	A	276·5	280·0	279·0	282·2	283·3	289·5	294·8	291·5	287·4	283·5	279·4	278·1	283·8
	½ (A and B)	273·9	277·9	276·3	279·9	280·6	285·9	290·9	288·6	284·7	280·9	277·1	275·9	281·1
1915	A	275·8	277·5	275·6	280·1	283·7	287·2	289·1	289·8	287·0	282·5	277·2	274·1	281·6
	½ (A and B)	273·9	275·1	273·4	277·6	280·5	284·0	286·1	287·1	283·7	279·3	275·0	272·1	278·9
1916	A	278·8	276·8	276·2	281·8	285·7	288·2	290·0	289·7	286·4	283·0	281·4	277·7	283·0
	½ (A and B)	276·7	274·4	273·1	279·1	282·6	284·9	287·1	286·7	283·5	280·3	279·3	276·0	280·3
1917	A	272·8	275·7	275·5	278·6	286·7	290·0	291·0	293·4	286·7	282·4	279·7	276·2	282·4
	½ (A and B)	270·4	273·3	273·1	275·8	282·5	286·7	287·3	290·1	284·3	279·8	277·5	274·1	279·5
1918	A	274·9	278·0	..	..	..	..	..	..	..	..	..	..	..
	½ (A and B)	272·9	275·9	..	..	..	..	..	..	..	..	..	..	..
239. *Trondhjem.* Temperature, Mean Max. (A) and Mean [½ (A and B)] *to be inserted* :—														
1910	A	272·2	276·8	277·9	281·5	288·1	290·5	292·4	292·1	286·4	281·3	274·5	275·6	282·4
	½ (A and B)	269·7	274·2	274·9	277·7	283·3	285·7	287·7	287·5	283·1	278·4	272·1	273·2	278·9
1911	A	274·5	275·4	276·4	280·1	288·8	289·3	290·7	291·1	286·6	279·4	274·8	276·4	282·0
	½ (A and B)	271·5	273·0	272·9	276·6	283·9	285·1	286·9	287·3	283·5	276·1	272·1	274·1	278·6
1912	A	273·2	274·0	278·3	280·4	285·1	291·6	294·5	291·5	284·6	280·5	276·2	276·6	282·2
	½ (A and B)	269·9	270·9	275·2	276·1	281·5	286·7	289·5	287·7	281·8	277·7	273·8	274·1	278·7
1913	A	271·2	275·9	278·2	282·7	287·6	289·7	291·0	290·0	286·4	281·6	279·5	273·6	282·3
	½ (A and B)	268·5	273·4	274·7	278·6	282·8	285·3	287·1	286·1	283·1	278·5	276·9	271·1	278·9
1914	A	274·7	277·9	276·5	282·3	284·0	290·3	296·6	290·7	286·5	280·6	276·0	275·4	282·6
	½ (A and B)	271·9	274·9	272·9	278·7	279·9	285·7	291·5	286·9	283·5	277·6	273·0	272·6	279·1
1915	A	272·2	275·2	274·4	280·1	282·5	286·5	290·5	290·4	283·9	278·2	275·2	268·5	279·8
	½ (A and B)	269·4	271·7	270·7	276·7	278·9	282·5	286·8	286·6	281·1	275·0	272·4	265·4	276·5
1916	A	275·1	274·0	274·5	281·8	285·7	290·2	293·2	289·2	285·2	279·1	279·0	273·7	281·7
	½ (A and B)	272·3	270·7	270·9	278·2	281·7	285·7	289·3	285·5	281·7	276·5	276·5	271·3	278·3
1917	A	270·4	274·1	273·8	278·3	284·4	291·6	289·8	295·0	286·0	281·0	277·6	274·6	281·4
	½ (A and B)	267·3	271·1	270·3	274·5	280·1	286·9	286·2	290·4	282·7	277·9	275·0	271·4	277·8
1918	A	271·8	274·8	..	..	..	..	..	..	..	..	..	..	..
	½ (A and B)	268·5	272·0	..	..	..	..	..	..	..	..	..	..	..

1916–1917.

311. *Barkerville.* Pressure, Mean at M.S.L. and differences from normal (1900–18) *to be inserted* :—

1916	M.S.L.	mb.	1018·7	1020·4	1011·6	1016·3	1014·3	1016·6	1016·3	1018·3	1018·3	1020·0	1018·7	1013·6	1017·0
		Diff.	+0·1	+2·0	−3·8	+1·7	+0·9	+3·2	+2·1	+2·7	+2·1	+3·3	+2·6	−5·0	+1·1
1917	M.S.L.	mb.	1016·6	1018·3	1013·2	1013·9	1015·3	1016·6	1016·3	1021·0	1017·3	1020·4	1015·6	1012·2	1016·3
		Diff.	−2·0	−0·1	−2·2	−0·7	+1·9	+3·2	+2·1	+5·4	+1·1	+3·7	−0·5	−6·4	+0·4

313. *Calgary.* Pressure, Mean at M.S.L. and differences from normal (1900–18) *to be inserted* :—

1916	M.S.L.	mb.	1024·0	1022·6	1012·8	1013·8	1011·5	1012·5	1010·8	1013·8	1013·1	1016·5	1015·9	1014·2	1015·2
		Diff.	+3·2	+1·0	−4·0	−0·1	−0·4	+2·0	−0·4	+1·0	−1·1	+0·9	−1·1	−5·1	−0·3
1917	M.S.L.	mb.	1016·5	1021·3	1013·5	1016·2	1013·5	1013·1	1010·4	1016·5	1016·2	1018·2	1016·5	1020·6	1016·2
		Diff.	−4·3	−0·3	−3·3	+2·3	+1·6	+2·6	−0·8	+3·7	+2·0	+2·6	−0·5	+1·3	+0·7

1917.

829. *Quixeramobim.* Temperature differences from normal (1896–1919) *should read* :—

a	−1·5	..	..	−1·0	..	−2·0	..	0·0	+0·1	..	0·0	−0·3	..

Additions and Corrections.—continued.

		Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
1918.														
661*a*. *Santo Domingo.* Pressure ½ (6+14), Mean at M.S.L. and differences from normal (1903–17) *to be inserted* :—														
M.S.L.	mb.	1015·6	1014·6	1012·7	1009·6	1007·5	1005·5	..	..	..	..	..	1013·7	..
	Diff.	+0·4	+0·2	−0·5	−1·3	−1·1	−1·6	..	..	..	..	..	−0·5	..
661*a*. *Santo Domingo.* Temperature, 24 hr. mean, and differences from normal (1903–17), *should read* :—														
	a	*291·4*	*294·1*	*295·7*	*298·5*	*301·2*	*302·5*	..	..	..	..	..	*297·4*	..
	Diff.	−3·9	−1·4	−1·3	−0·6	+0·9	+1·1	..	..	..	..	..	+1·5	..
1266. *Bourke.* Pressure, Mean at Level of Station, M.S.L. and differences from normal (1907–24), *should read* :—														
Stat. Lev.	mb.	1001·4	1000·2	1006·1	1008·0	1009·1	1007·6	1010·7	1009·0	1011·8	1004·9	1003·7	1002·7	1006·3
M.S.L.	mb.	1013·9	1012·7	1018·8	1021·0	1022·3	1021·0	1024·3	1022·3	1025·0	1017·6	1016·2	1015·1	1019·1
	Diff.	+1·6	−1·4	+2·6	+0·6	+0·4	−0·8	+2·0	+0·1	+5·3	−0·5	+0·9	+2·6	+1·0

1914–1918 :—

1170. *Norfolk Island.* The most reliable data for the position of the Meteorological Station since 1914 are Latitude : 29° 4′ S. and Longitude : 167° 59′ E.

1917 :—

232. *Vestmanno.* Latitude : *for* 63° 3′ N. *read* 63° 26′ N.

620. *Havana.* Table of Authorities, Remarks : *for* **T**=$\frac{1}{12}$ [4+6+8+10+12+14+16+18+22+½ (4+22)] *read* $\frac{1}{12}$ [4+6+8+10+12+14+16+18+22+(4+22)].

637. *Insalah.* Longitude : *for* W 2° 27′ *read* E 2° 21′.

759. *Bolinao.* Height : from 19th May, *for* 9·7 m. *read* 7·1 m.

1025. *Corumba.* Table of Authorities, Remarks : *for* **P**, true mean **T** (Jan.–July, Year)=⅛ (7+14+21) *read* **P**, true mean **T**=½ (7+21).

1918 :—

225. *Jacobshavn.* Temperature : *insert* Absolute Maximum and Date.

January, ‡271·9 on 7th. March, ‡276·3 on 6th.
February, ‡279·9 on 27th. April, ‡275·3 on 19th.

226. *Godthaab.* April, Temperature : *insert* Absolute Maximum and Date. ‡277·4 on 17th.

227. *Ivigtut.* Temperature : *insert* Absolute Maximum and Date.

January, ‡281·1 on 2nd. March, ‡282·2 on 17th.
February, ‡280·2 on 27th. April, ‡286·0 on 17th.

236. *Lerwick.* June, Height : *for* 18·0 m. *read* 147 m.

443. *Odessa.* August, Pressure : Mean at level of station : mean at M.S.L. and difference from normal :— *for* 1009·7 : 1014·7 : +0·3 *read* 1008·0 : 1013·0 : −1·4.

637. *Insalah.* Longitude : *for* W 2° 21′ *read* E 2° 21′.

661*a*. *Santo Domingo.* Authority for Current Data, Period of Normals, Remarks, *should read* :—Manila, Philippine Weather Bureau, Ann. Rep., Part III, and Bulletin, 1918. **P, T,** 1903–17. **R,** 16 yrs., 1903–19. c **P**=½ (6+14). **T** derived from these hours.

717. *Mexico, Tacubaya.* Pressure : A correction of −1·9 mb. should be applied to the means at M.S.L.

718*a* *Salina Cruz.* Pressure : A correction of −2·2 mb. should be applied to the means at M.S.L.

739. *Hadeija.* June, *for* Katagum 12° 17′ : 10° 22′ : 30·7 *read* Hadeija 12° 40′ : 10° 5′ : ?, and *insert* the following line :—

.. : .. : .. : 309·6 : 314·7 : 6th : 296·1 : 292·4 : 29th : 302·8 : *302·2* : .. : 115 : .. :

924. *Manaos.* March, Temperature : 24-hr. mean and difference from normal :— *for 298·3* : −1·3 *read 298·4*: −1·2.

926. *Taperinha.* January, Temperature : 24-hr. mean, *for 296·9 read 297·0.*

928. *Barra do Corda.* April, Temperature : 24-hr. mean and difference from normal :— *for 297·9* : −0·2 *read 297·8* : −0·3.

929. *Quixeramobim.* Temperature : 24-hr. mean, February, *for 299·6 read 299·7.* Differences from normal : January, *for* −0·8 *read* −0·6 : February, *for* −1·0 *read* −0·8 : March, *for* +0·2 *read* +0·3.

1025. *Corumba.* Temperature : 24-hr. mean and difference from normal.

February, *for 298·3* : −1·2 *read 298·2* : −1·3.
March, *for 297·9* : −2·0 *read 297·8* : −2·1.

1026. *Cuyaba.* April, Temperature : 24-hr. mean and difference from normal :— *for 299·3* : −0·5 *read 299·4* : −0·4.

1028. *Caetité.* Temperature : 24-hr. mean and difference from normal.

January, *for 295·5* : −0·7 *read 295·4* : −0·8.
February, *for 295·3* : −0·3 *read 295·4* : −0·2.
March, *for 295·7* : −0·4 *read 295·6* : −0·5.

1029. *Ondina.* April, Temperature : 24-hr. mean and difference from normal :— *for 298·3* : −0·3 *read 298·2* : −0·4.

1055. *Cocos Keeling Is.* March, Pressure : Mean at M.S.L. and difference from normal :— *for* 1012·5 : +1·9 *read* 1012·4 : +1·8.

1160. *Peak Hill.* April, Pressure : Mean at level of station, *insert* 946·8.

1168. *Brisbane.* February, Temperature : 24-hr. mean column, *insert 296·3.*

1259. *Perth.* January, Pressure : Mean at level of station, *insert* 1004·4.

1262. *Eucla.* August, Pressure : Mean at level of station, *for* 1017·4 *read* 1017·0.

1266. *Bourke.* Table of Authorities : Period of Normals, Remarks, *should read* :—**P,** 1907–24. **T,** 1874–1918. **R,** 1873–1919. **P**=9 h.

RÉSEAU MONDIAL, JANUARY 1918.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF JANUARY 1918 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. — JANUARY—ZONE 1.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal.	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal.	Precipitation. Total.	Diff. from Normal.
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
105	Barrow	71 23 N.	156 17 W.	6·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
123	Inglefield Bay	77 20	67 30	?	1022·6	..	+15·8	..	261·6	15th	..	235·3	25th	..	*243·9*	..	6	..
124	Upernivik	72 47	W56 7	18·9	1019·6	1022·2	+16·6	250·0	265·3	7th	240·9	234·5	27th, 29th	245·5	*245·3*	−5·7	15	+ 3
125	Spitsbergen (GreenHarbour)	78 2	E 14 14	11·4	1003·9	1005·5	− 1·4	..	262·5	22nd	242·6	232·2	19th	..	247·0	−7·9	35	+ 4
139	Gjesvaer																	
140	Mehavn	71 6	25 22	6·5	994·8	995·6	− 7·2	..	276·5	26th	262·8	256·2	9th	..	*265·3*	−4·1	75	+ 25
141	Vardö	71 1	27 47	6·4	996·0	996·8	− 4·6	..	275·6	26th	260·9	252·6	13th	..	*264·0*	−4·3	54	− 17
142		70 22	31 8	10·0	997·0	998·3	− 6·5	..	275·0	27th	260·9	252·8	19th	..	*263·5*	−4·0	117	+ 47
143	Malye Karmakouly	72 23	52 43	14·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
147	Waigatz	70 24	58 47	11·2	1000·8	1002·4	− 6·3	253·0	263·9	24th	246·2	240·4	7, 12, 31	249·6	*249·4*	..	1	..
148																		
157	Maudhavn	77 33 N.	105 40 E.	2·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..

Between Latitude 70° N. and 60° N. — JANUARY—ZONE 2.

202	Gambel	63 51 N.	171 35 W.	6·1	..	..	..	256·2	271·9	28th	251·9	246·9	3rd	254·1	..	..	0	..
203	Nome	64 30	165 24	6·7	..	1011·5	− 0·7	259·8	273·6	29th	252·6	243·0	22nd	256·2	*256·2*	−1·0	23	+ 2
204	Candle	65 55	161 57	2·4	..	..	..	250·7	273·0	29th	242·8	231·9	2nd, 26th	246·8	..	..	..	..
205	Tanana	65 10	152 6	67·1	..	1014·2	− 4·3	250·7	263·0	31st	243·1	229·1	2nd	246·9	*247·2*	−0·9	6	− 7
206	Rampart	65 30	150 15	122	..	..	..	250·2	259·7	31st	243·4	231·3	25th	246·8	..	..	7	− 6
207	Valdez	61 7	146 16	8·2	..	1007·8	− 0·5	269·1	275·2	4th	261·6	253·6	7th	265·3	*265·3*	0·0	130	+ 40
208	Eagle	64 46	141 12	254	..	1015·9	− 3·0	252·9	263·0	20th	245·5	225·2	27th	249·2	..	+3·0	18	+ 7
209	Dawson	64 4	139 20	328	974·4	1018·9	− 3·8	251·3	260·2	4, 13, 14	244·1	227·4	27th	247·7	..	+5·2	50	+ 28
210	Carcross	60 11	134 34	662	..	..	..	260·1	276·9	22nd, 23rd	248·6	232·4	9th	254·3	..	+1·3	30	+ 17
211	Fort Good Hope	66 25	128 53	65·2	1016·6	1026·1	..	245·8	256·3	31st	236·9	220·8	24th	241·3	..	..	18	0
212	Fort Simpson	61 52	121 35	129	1007·8	1026·1	..	248·6	255·2	17, 18, 19	241·9	225·2	25th	245·2	..	+0·6	19	+ 5
213	Hay River	60 51	115 20	161	1000·2	1022·8	..	..	..	..	241·9	223·0	25th	..	‡*246·1*	..	26	..
225	Jacobshavn	69 13	51 2	12·6	1016·2	1017·9	+13·6	..	..	..	243·7	235·7	22nd	..	*248·2*	−6·8	11	+ 2
226	Godthaab	64 11	51 43	9·0	1007·9	1009·1	+10·8	268·3	279·0	1st	263·5	257·4	21, 27, 28	265·9	*266·1*	+3·1	12	− 26
227	Ivigtut	61 12	48 10	5·0	1009·4	1010·1	+12·6	..	..	..	266·5	257·3	31st	..	*269·0*	+3·5	174	+ 92
229	Angmagsalik	65 37	37 33	31·7	1012·3	1016·5	+19·8	262·5	277·0	8th	254·0	242·7	21st	258·3	*258·2*	−6·1	15	− 72
231	Stykkisholm	65 5	22 46	11·3	1014·2	1015·7	+18·5	266·0	278·5	3rd, 4th	256·8	243·3	21st	261·4	*260·8*	−10·0	21	− 53
232	Vestmanno	63 26	20 15	7·7	1007·5	1008·5	+11·1	272·8	280·9	31st	265·6	252·4	14th	269·2	*269·4*	−5·1	46	−100
233	Grimsey	66 33	17 58	22	..	..	..	263·0	277·7	3rd	255·6	242·2	21st	259·3	*259·6*	−11·6	..	..
233a	Akureyri	65 40	18 4	6·8	1013·4	1014·3	+14·8	..	..	..	..	..	..	..	..	..	..	..
234	Berufjord	64 40	14 19	18·0	1007·0	1009·3	+10·5	268·5	285·2	3rd	259·3	247·5	22nd	263·9	*264·7*	−7·3	50	− 79
235	Thorshavn	62 3	6 45	26·3	1003·0	1006·3	+ 2·1	274·6	282·7	30th	268·3	259·5	14th	271·5	*271·9*	−4·6	108	− 67
236	Lerwick	60 9 W	1 8	18·0	1003·1	1005·4	− 1·3	277·7	283·0	24th	271·4	264·1	14th	274·6	*274·7*	−2·3	108	0
237	Bergen (Met. Obs.)	60 24 E	5 19	44·4	999·6	1005·1	− 4·9	..	280·2	31st	270·8	262·3	14th	..	*273·0*	−1·4	281	+113
238	Christiansund	63 7	7 45	17·8	999·5	1001·7	− 5·4	..	282·4	26th	270·0	264·0	10th	..	*272·9*	−1·8	190	+ 78
239	Trondhjem	63 26	10 25	39·5	997·2	1002·2	− 5·8	..	282·4	26th	265·2	255·2	8th	..	*268·6*	−1·7	107	+ 1
240	Bodö	67 17	14 24	22·4	994·6	997·4	− 7·8	..	279·8	26th	264·7	258·0	7th	..	*268·3*	−3·1	141	+ 51
241	Haparanda	65 50	24 9	9·2	1001·1	1002·3	− 7·9	262·2	277·0	26th, 27th	252·3	236·0	9th	257·3	*257·1*	−4·6	31	− 8
242	Helsingfors	60 10	24 57	11·7	1002·6	1004·1	−10·3	267·9	277·0	28th	260·0	242·6	10th	263·9	*264·5*	−2·8	85	+ 43
242a	Kuopio	62 54	27 40	90·3	992·0	1003·9	− 9·5	264·1	277·7	27th	254·6	239·2	10th	259·3	*259·3*	−4·4	33	− 13
243	Kola	68 53	33 1	6·7	1000·2	1001·1	− 5·7	260·2	275·7	27th	246·9	230·2	7th	253·6	*252·3*	−9·1	25	+ 13
244	Petrozavodsk	61 47	34 23	38·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
245	Arkhangelsk	64 35	40 36	6·2	1001·9	1002·7	− 9·2	?262·1	?274·8	27th	249·4	234·5	8th, 9th	?255·8	*254·2*	−5·3	16	− 7
246	Mezen	65 50	44 16	12·6	1000·0	1001·7	− 9·1	257·6	274·3	27th	248·3	233·5	7th	253·0	*253·2*	−4·9	16	+ 6
247	Oust-Tsylma	65 25	52 14	? 70	993·9	1003·4	−13·0	255·4	269·5	28th	245·4	231·9	11th	250·4	*250·5*	−4·1	21	..
248	Tcherdyn	60 24	56 31	?177	984·7	1008·0	−11·9	262·1	273·5	9th	253·2	243·2	20th	257·6	*258·1*	+3·9	64	+ 32
249	Berezov	63 56	65 4	39·9	1004·3	1009·8	− 7·9	255·6	265·5	5th, 14th	245·2	234·6	21st	250·4	*250·3*	+0·8	32	+ 17
250	Obdorsk	66 31	66 35	23·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
251	Sourgout	61 15	73 24	? 40	1006·0	1011·4	−10·0	..	271·0	10th	248·6	231·7	9th	..	*255·6*	+6·5	31	+ 16
252	Doudinka	69 23	86 4	20	1007·8	1010·5	− 7·9	..	262·7	18th	241·3	229·9	13th	..	*246·5*	..	8	..
253	Touroukhansk	65 47	87 57	45	1009·5	1015·6	− 6·7	..	268·4	11th	246·1	220·5	28th	..	*252·3*	+7·9	44	+ 30
254																		
262	Iakoutsk	62 1	129 43	108	1013·8	1030·0	− 0·7	..	250·9	10th	228·2	219·2	1st, 16th	..	*232·8*	+3·2	4	− 5
263	Verkhoïansk	67 33	133 23	100	1010·3	1025·8	+ 2·8	..	239·2	12th	220·5	214·6	16th	..	*224·0*	+1·5	0	− 4
271	Markovo-sur-Anadyr	64 45	170 50	25·9	1021·2	1024·9	+ 8·1	..	..	..	234·2	220·0	19th	..	‡*238·9*	−6·2	4	− 3
272	Novo-Mariinskii Post	64 45 N.	177 33 E.	23·5	1019·4	1022·6	+ 8·2	249·5	269·5	31st	242·6	235·9	5th	246·0	‡*245·4*	−4·4	5	− 4
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 105 and 106. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 105 and 106.

JANUARY—ZONE 3.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Lati-tude.	Longi-tude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Abso-lute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Abso-lute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
301	Atka	52 12	174 20	7·6	..	..	..	276·2	279·1	27th	272·9	264·7	23rd	274·6	..	..	216	..
302	St. Paul Island	57 15	170 10	6·1	..	1001·7	− 3·6	267·7	275·8	28th	262·1	251·9	22, 23, 24	264·9	..	..	6	..
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	1000·0	− 3·6	274·9	280·2	28th	269·9	263·6	5th	272·4	*272·4*	−1·3	130	− 5
304																		
305	Dillingham	59 0	158 28	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
306	Kodiak (Radio)	57 46	152 22	6·1	..	1001·3	− 2·4	274·3	276·9	22nd	270·1	259·1	6th	272·2	*272·3*	..	152	+ 61
309	Sitka	57 3	135 19	27·4	..	1008·1	− 0·5	277·5	281·3	1st, 3rd	272·4	264·7	8th	274·9	*274·8*	+2·1	225	+ 56
310	Prince Rupert	54 18	130 18	51·8	1003·4	1009·9	− 1·6	278·0	285·2	1st	274·7	266·3	31st	276·3	*276·9*	+2·3	277	+ 28
311	Barkerville	53 2	121 35	1274	866·6	1016·6	− 2·0	269·7	277·4	1st, 2nd	262·4	243·0	30th	266·1	*265·9*	+1·7	194	+123
312	Kamloops	50 42	120 29	385	975·5	1023·9	+ 0·9	271·9	279·1	2nd	266·9	247·4	31st	269·4	*269·5*	+1·7	47	+ 24
313	Calgary	51 2	114 2	1045	892·5	1018·6	− 2·2	268·6	285·2	2nd, 3rd	256·3	241·9	30th	262·4	*261·7*	+0·9	8	− 5
314	Fort Chipewyan	58 42	111 10	218	993·5	1023·7	..	251·3	261·9	2, 3, 7,	241·9	226·3	25th	246·6	*246·3*	−2·0	33	+ 10
315	Prince Albert	53 10	106 0	442	964·6	1023·4	+ 3·4	257·4	277·4	3rd	246·3	229·7	12th	251·9	*251·5*	0·0	23	+ 3
316	Qu'Appelle	50 30	103 47	645	937·2	1021·0	+ 2·7	258·0	278·0	1st	248·0	235·2	12th, 26th	253·0	*252·6*	+1·9	28	+ 10
317	Minnedosa	50 15	99 50	515	952·6	1020·2	0·0	258·0	273·0	3rd	247·4	231·3	30th	252·7	*252·2*	−1·2	11	− 11
318	Berens River	52 18	97 23	216	..	..	..	252·4	268·6	19th	242·9	229·1	25th	247·7	..	−3·5	51	+ 31
318*a*	Port Nelson	57 4	92 36	14·9	1015·2	1017·2	+ 0·9	250·2	270·8	15th	241·9	226·3	31st	246·1	..	+2·0	8	− 8
319	Fort Hope	51 33	87 49	‡260	979·3	1012·5	..	254·7	265·2	4th	244·7	233·0	23rd, 30th	249·7	*249·9*	−1·9	13	− 9
320	Moose Factory	51 14	80 30	9·1	1010·2	1011·5	− 6·1	255·8	265·2	21st	247·4	232·4	31st	251·6	..	−1·6	..	..
321	Fort George	53 50	79 5	97·5	..	..	..	256·3	269·1	9th	246·8	230·8	27th	251·6	*251·6*	..	..	..
322	Mistassini Post	50 15	73 55	383	..	..	..	257·8	274·1	8th, 9th	245·8	228·0	27th	251·8	..	−0·1	44	+ 22
323	Hebron	58 12	62 21	15·0	1012·4	1014·3	..	..	..	..	261·8	244·6	..	..	*263·9*	..	..	..
324	Natashquan	50 8	61 48	?	..	..	..	267·6	279·1	8th	259·9	246·3	29th	268·7	..	+9·6	104	+ 16
326	Belle Isle	51 53	55 23	133	984·1	1001·0	− 6·1	271·3	276·9	7th	262·4	253·0	28th	266·9	*267·4*	+6·8	8	− 47
334	Cahirciveen (Valencia Obs.)	51 56	10 15	13·7	1008·9	1010·6	− 3·3	281·2	285·2	31st	277·7	269·7	8th	279·5	279·6	−0·4	173	+ 25
335	Aberdeen	57 10	2 6	26·8	1005·1	1008·3	− 2·1	277·7	284·1	24th	272·9	264·7	14th	275·3	275·2	−0·9	62	+ 8
336	Greenwich	51 28	W 0 0	46·3	1010·1	1015·9	− 1·2	280·1	286·3	22nd	274·4	265·8	9th	277·3	277·2	+0·7	69	+ 26
337	Uccle	50 48	E 4 22	100	1004·2	1016·7	− 0·3	280·0	286·0	20th, 25th	273·1	263·9	8th	276·5	276·5	+1·8	87	+ 23
338	De Bilt	52 6	5 11	3·0	1015·1	1015·5	− 0·5	278·5	285·4	23rd	273·1	266·9	4th	275·8	275·8	+1·6	105	+ 55
338*a*	Hamburg	53 33	9 58	26·0	1010·3	1013·5	− 4·1	277·3	283·5	22nd	272·2	265·7	9th	274·7	*274·6*	+1·6	97	+ 46
339	Copenhagen	55 41	12 36	5·0	1009·5	1010·1	− 5·1	274·6	278·4	25th	270·6	263·3	10th	272·6	*273·0*	−0·2	20	− 19
340	Potsdam	52 23	13 4	84·9	1004·6	1015·3	− 2·4	276·6	284·5	25th	271·0	262·4	4th, 9th	273·8	273·5	+1·5	87	+ 47
340*a*	Upsala	59 51	17 38	24	1001·9	1005·0	− 7·8	269·5	277·6	29th	261·3	247·8	9th, 14th	265·4	265·8	−3·2	65	+ 33
341	Warsaw	52 13	21 1	133	998·6	1015·4	− 3·2	274·7	280·0	16th, 26th	268·9	257·6	15th	271·8	271·7	+2·3	38	+ 5
342	Dorpat (Jurjev)	58 23	26 43	74·5	996·2	1005·8	− 9·4	269·0	276·4	21st	261·8	247·8	15th	265·4	265·5	−0·9	36	+ 5
343	Petrograd	59 56	30 16	4·8	1003·6	1004·2	−11·1	265·9	275·7	22nd	258·4	245·6	14th	262·2	*262·3*	−2·5	67	+ 43
344	Kiev	50 27	30 30	183	994·3	1017·5	− 3·0	273·2	279·4	17th	267·3	253·0	15th	270·2	*270·5*	+3·6	22	− 10
344*a*	Moscow	55 50	37 33	167	988·4	1009·8	− 9·5	269·5	275·9	20th	261·2	247·1	19th	265·4	*265·5*	+2·9	31	− 1
345	Saratov	51 32	46 3	59·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
346	Kazan	55 47	49 8	70·9	1002·7	1013·2	− 8·2	267·0	275·0	9th	258·3	248·0	22nd	262·6	*262·7*	+3·6	53	+ 35
347	Orenburg	51 45	55 6	109	1006·7	1021·2	− 3·9	266·7	273·7	20th	256·8	243·7	23rd	261·8	*261·9*	+4·4	25	− 4
348	Perm	58 1	56 16	163	990·6	1012·0	− 9·1	264·9	273·5	9th	256·0	244·1	20th	260·4	*260·2*	+3·3	60	+ 23
349	Ekaterinburg	56 49	60 38	281	977·0	1013·4	−10·0	264·8	272·5	9th	257·3	243·0	20th	261·0	*261·2*	+4·7	25	+ 15
350	Tobolsk	58 12	68 14	?108	1000·3	1014·7	− 6·8	263·4	271·9	10th	255·8	245·3	31st	259·6	*259·5*	+6·0	29	+ 13
351	Akmolinsk	51 12	71 23	?347	981·1	1026·6	− 2·7	..	271·8	7th	254·7	247·2	23rd, 24th	..	*259·0*	+3·9	..	..
352	Omsk	54 58	73 23	90	..	..	..	..	..	..	..	..	..	..	*259·5*	+7·0	25	+ 11
353	Barnaoul	53 20	83 48	162	..	..	..	..	..	..	..	..	..	..	..	..	..	..
354	Tomsk	56 30	84 58	122	1007·9	1024·2	− 3·7	..	270·4	8th	255·9	248·1	17th	..	*260·1*	+7·0	43	+ 13
355	Minousinsk	53 43	91 41	249	999·1	1032·8	− 1·8	..	273·3	31st	248·8	237·8	7th	..	*254·0*	..	4	− 5
356	Eniseisk	58 27	92 10	77·6	1014·6	1025·1	− 4·0	..	271·3	11th	252·7	241·2	25th	..	*258·4*	+8·3	13	− 7
357	Irkutsk	52 16	104 19	467	972·2	1034·3	+ 0·5	..	265·5	5th	248·5	243·0	22nd	..	*254·5*	+2·5	5	− 8
358	Kirensk	57 47	108 7	263	995·1	1030·9	− 0·6	..	269·6	31st	246·1	231·6	15th	..	*252·6*	+6·2	16	− 4
359	Tchita	52 2	113 30	687	943·6	1034·9	+ 1·1	..	268·8	13th	242·7	236·8	1st, 26th	..	*249·3*	+4·0	2	− 1
360	Nertchinskii Zavod	51 19	119 37	626	949·2	1033·0	− 0·3	..	266·7	19th	243·1	231·2	1st	..	*247·6*	+4·2	3	+ 1
361	Tygan Ourkan	54 5	124 46	379	975·1	1026·3	..	257·5	268·4	8th	243·4	233·0	2nd	250·4	*250·6*	..	2	..
362	Blagoveshchensk (Bureau Météor.)	50 16	127 30	142	1004·0	1023·3	− 1·5	259·4	269·3	8th	250·1	241·0	2nd, 3rd	254·8	*254·2*	+6·2	2	0
363	Paikanskii Sklad	50 11	130 7	?145	1001·5	1021·7	..	257·1	265·5	19th	240·4	231·0	2nd	248·8	*247·7*	..	2	..
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	1010·2	1013·0	− 3·7	..	270·7	18th	251·5	236·9	29th	..	*255·6*	+6·4	29	+ 14
366	Okhotsk	59 21	143 12	6·0	1014·3	1015·1	− 0·4	258·0	268·1	5th	250·7	244·1	2nd	254·4	*254·6*	+5·6	1	− 1
367																		
368	Petropavlovsk (Radio)	53 0	158 39	13·5	996·8	998·5	− 5·6	271·3	274·9	5th	266·1	257·0	31st	268·7	*268·8*	..	322	..
369																		
371	Attu Island	52 56 N.	173 13 E.	4·9	..	..	..	275·2	276·9	5, 28, 31	271·3	266·9	23rd, 24th	273·3	..	..	86	..
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 106 and 107. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 106.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

JANUARY—ZONE 4.

No.	Name of Station.	Lati-tude.	Longi-tude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Abso-lute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Abso-lute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	70·1	1009·5	1018·2	+ 2·9	280·8	286·3	3rd	276·3	268·0	30th	278·6	278·4	+1·4	103	− 12
412	Portland, Oregon	45 32	122 41	46·6	1015·6	1021·0	+ 2·9	282·7	288·0	4th	278·2	268·6	31st	280·4	*280·6*	+3·7	119	− 49
413	Macleod	49 44	113 24	953	..	..	..	269·7	286·9	3rd	257·9	237·4	30th	263·8	*263·8*	−1·7	23	+ 6
414	Helena	46 34	112 4	1253	872·0	1019·3	− 1·5	271·3	288·0	1st	262·4	239·1	31st	266·9	*267·0*	+0·7	27	+ 2
414*a*	Salt Lake City	40 46	111 54	1329	867·3	1018·6	− 2·5	275·5	284·7	2nd	268·8	260·8	10th	272·1	*272·5*	+1·2	99	+ 65
415	Cheyenne	41 8	104 48	1856	806·3	1015·9	− 2·5	271·8	288·0	2nd	260·6	246·3	31st	266·2	*266·5*	−2·9	12	+ 2
416	North Platte	41 8	100 45	859	915·3	1019·6	− 0·8	269·9	291·9	3rd	256·9	241·3	11th	263·4	*263·8*	−3·3	14	+ 3
416*a*	Bismarck	46 47	100 38	511	956·6	1021·3	+ 0·5	260·4	279·1	1st	251·5	239·1	30th	256·0	*256·2*	−2·7	16	+ 3
417	Winnipeg	49 53	97 7	232	988·1	1019·4	− 0·4	256·3	267·4	4th	248·6	234·7	30th	252·4	*252·2*	−0·4	21	0
418	Duluth	46 47	92 6	345	971·2	1015·2	− 3·5	260·1	268·6	5th	251·2	239·7	31st	255·7	*255·2*	−4·2	24	− 5
419	Port Arthur	48 27	89 12	196	988·2	1014·2	− 3·2	261·3	270·8	5th, 6th	251·3	238·6	31st	256·3	*256·2*	−1·8	9	− 10
420	Chicago	41 53	87 37	251	982·5	1014·2	− 4·6	266·1	274·7	25th	259·1	247·4	12th	262·6	*262·7*	−6·0	105	+ 52
421	Toronto	43 40	79 24	116	997·9	1013·1	− 4·4	266·3	273·6	7th, 12th	258·6	250·8	27th	262·4	262·2	−5·1	58	− 15
422	New York (Central Park)	40 46	73 58	30·2	1008·2	1012·1	− 6·6	270·6	284·7	12th	263·9	253·0	1st	267·2	267·2	−5·3	90	0
423	St. John, N.B.	45 17	66 4	36·2	1001·2	1005·9	− 9·7	267·4	276·3	13th	258·6	247·4	3rd	263·0	263·3	−2·9	94	− 28
424	S.W. Point, Anticosti	49 24	63 33	9·1	1002·7	1003·9	− 8·0	268·0	279·7	5th	262·4	249·7	28th	265·2	*265·3*	+2·8	89	+ 34
424*a*	Sable Island (Main Station)	43 57	60 6	7·6	1004·9	1005·9	− 8·8	273·6	280·2	4th	269·1	260·8	28th	271·3	*271·3*	−1·0	134	− 8
425	Port aux Basques	47 35	59 10	9·1	1000·9	1002·1	− 9·2	271·3	280·8	7th	266·9	259·7	28th	269·1	*269·1*	+1·9	179	+ 32
426	St. John's, Newfoundland	47 34	52 42	38·1	993·9	998·6	−11·2	274·1	280·8	8th, 9th	269·1	260·8	16, 28, 29	271·6	*271·6*	+2·9	116	− 30
435	Madrid	40 24	3 41	655	944·0	1022·2	+ 0·3	283·0	288·8	18th	274·9	263·5	1st	278·9	278·4	+1·1	46	+ 13
436	Nantes	47 15	W 1 34	36·5	1013·6	1018·1	− 0·1	282·5	288·0	20th	274·2	266·1	6th	278·4	278·1	+0·6	60	+ 2
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1013·4	1019·7	+ 1·3	279·6	287·3	20th	271·7	259·4	5th, 6th	275·7	275·7	+0·4	42	+ 3
438	Marseilles	43 18	5 23	75	..	1022·3	+ 5·3	284·5	290·4	23rd	276·7	267·9	12th	280·6	*279·9*	+0·6	54	0
438*a*	Zürich	47 23	8 33	493	962·7	1023·5	+ 1·8	277·7	286·5	21st	269·3	257·0	5th	273·5	273·0	+1·5	62	+ 9
439	Rome	41 54	12 27	45	1017·8	1023·1	+ 5·7	284·1	288·5	23rd	276·4	269·2	6th	280·2	*279·8*	−0·1	30	− 49
440	Vienna	48 15	16 22	203	995·0	1020·5	− 0·1	275·5	285·9	16th	270·6	263·5	4th	273·1	272·8	+2·0	16	− 21
440*a*	Buda-Pesth	47 31	19 2	130	1005·5	1021·8	+ 0·8	277·3	286·5	23rd	271·1	264·4	4th	274·2	*273·9*	+2·7	16	− 22
441	Sofia	42 42	23 20	550	958·5	1026·3	+ 5·2	275·6	286·7	9th	268·8	256·2	5th	272·2	*272·2*	+1·1	17	− 18
442	Bucharest	44 25	26 5	82	1012·6	1023·0	+ 1·4	280·4	287·4	30th	269·8	260·0	5th	275·1	274·2	+4·7	14	− 17
443	Odessa (University)	46 26	30 46	42·8	1015·6	1021·0	− 0·1	277·0	284·3	20th	270·7	261·4	5th	273·8	*273·8*	+4·0	2	− 24
444	Kharkov (University)	50 0	36 14	140	1000·7	1018·6	− 3·8	272·8	278·4	17th	267·0	252·8	5th	269·9	*270·1*	+4·9	29	− 5
444*a*	Novorossiisk	44 44	37 49	37·1	1018·3	1022·9	+ 3·0	280·5	284·5	20th	273·9	263·6	16th	277·2	*277·2*	+2·1	79	+ 9
445	Tiflis	41 43	44 48	404	974·8	1024·5	+ 1·0	280·9	285·4	11th, 13th	271·5	265·5	9th	276·2	*275·7*	+2·5	23	+ 8
446	Astrakhan	46 21	48 2	−13·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
447	Fort Alexandrovsk	44 31	50 7	24·0	1019·6	1022·6	− 1·2	274·9	278·7	3rd	268·9	259·2	17th	271·9	*271·7*	+2·9	7	− 2
448	Krasnovodsk	40 0	52 59	−17·2	1025·9	1023·8	+ 0·8	280·4	287·6	5th	275·1	268·8	16th	277·8	*277·3*	+1·9	25	+ 11
449	Araiskoe More	46 47	61 42	56	..	..	..	..	..	..	..	..	..	..	..	..	..	..
450	Tachkent	41 20	69 18	478	967·8	1026·8	+ 0·5	280·7	293·0	8th	268·9	256·5	1st	274·8	*273·9*	+2·1	50	− 1
451	Narynskoe	41 26	76 2	?2015	799·9	..	..	..	..	..	248·0	238·6	1st	..	*254·3*	−1·6	5	..
452	Vernyi	43 16	76 53	841	924·8	1027·9	− 1·1	273·0	282·6	8th	262·3	252·1	1st	267·6	*267·2*	..	7	..
461	Mukden	41 48	123 23	43·8	1022·5	1028·4	+ 0·5	266·0	274·8	14th	252·5	247·0	2nd	259·3	258·7	−0·8	0	− 4
462	Joskin	40 40	129 11	4·0	1019·8	1020·3	− 1·6	272·1	276·4	11th	259·2	252·2	3rd	265·7	264·9	−1·8	29	+ 4
463	Yuki	42 20	130 24	65·6	1011·8	1020·5	..	268·2	277·0	12th	260·8	254·7	16th	264·5	264·4	..	0	..
464	Vladivostok	43 7	131 55	128	1003·2	1020·4	− 3·2	261·8	268·9	15th	254·4	246·1	3rd	258·1	258·0	−1·3	8	+ 1
465	Ochiai	47 20	142 44	6·6	1004·9	1005·8	− 9·5	269·0	272·1	18th	257·7	245·3	16th	263·3	264·4	+5·3	53	+ 11
466	Nemuro	43 20	145 35	26·7	1001·9	1005·3	− 6·7	272·3	276·7	13th	266·3	261·6	7th	269·3	269·6	+1·5	22	− 13
466*a*	Syana	45 14 N.	147 53 E.	39·3	997·4	1002·4	− 8·3	271·9	274·8	20th	265·8	258·1	8th	268·9	269·2	+1·6	81	− 17

Between Latitude 40° N. and 30° N.

JANUARY—ZONE 5 (Western Half).

No.	Name of Station.	Lati-tude.	Longi-tude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Abso-lute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Abso-lute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		N.	W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
511	San Francisco	37 48	122 26	47·2	1014·5	1020·3	+ 0·6	288·0	290·8	28th	281·0	278·0	2nd	284·5	*284·0*	+1·3	21	−104
512	San Luis Obispo	35 18	120 39	61·3	1012·0	1019·3	− 0·3	291·8	301·9	1st	278·5	272·4	28th	285·1	*284·8*	+0·6	14	−126
513	San Diego	32 43	117 10	26·5	1013·6	1016·9	− 1·3	289·6	293·6	24th	281·3	276·9	21st	285·4	*285·4*	+0·2	42	− 14
514	Modena	37 48	113 54	1670	832·5	1017·6	− 2·7	279·0	291·3	3rd	262·8	255·2	21st	270·9	*270·9*	+0·5	3	− 23
515	Santa Fé	35 41	105 57	2138	781·3	1014·5	− 4·1	275·2	288·0	2nd	264·4	254·7	21st	269·8	*269·6*	−1·5	41	+ 23
516	Denver	39 45	105 0	1613	832·3	1016·2	− 1·6	275·1	291·3	3rd	262·7	249·1	31st	268·9	*269·1*	−2·3	15	+ 4
517	Abilene	32 23	99 40	530	953·3	1016·2	− 3·4	282·8	296·9	25th	268·2	255·8	11th	275·5	*275·2*	−3·7	23	+ 4
518	Saint Louis	38 38	90 12	173	994·2	1015·6	− 4·7	269·6	280·2	25th	261·8	245·8	12th	265·7	*265·5*	−6·9	33	− 32
519	Mobile	30 41	88 2	17·4	1013·7	1015·9	− 4·9	285·9	296·9	28th	275·3	264·7	12th	280·6	*280·5*	−2·4	98	− 18
520	Nashville	36 10	86 47	166	995·5	1015·9	− 5·2	274·6	286·3	26th	265·2	249·7	12th	269·9	*270·2*	−6·1	189	+ 70
521	Charleston	32 47	79 56	14·6	1014·0	1015·6	− 5·5	283·7	295·8	27th	273·8	265·2	13th	278·8	*278·4*	−4·2	29	− 53
522	Washington	38 54	77 3	34·1	1009·9	1014·2	− 6·0	271·8	283·0	12th	265·0	255·8	1st	268·4	*268·3*	−5·2	109	+ 23
524	Bermuda	32 18	64 46	46·0	1009·5	1015·0	− 4·4	292·2	295·0	31st	286·8	283·4	1st, 5th	289·5	*289·4*	−0·7	97	− 4
530	Santa Cruz (Flores)	39 27	31 9	28	1000·5	1003·6	−17·2	289·0	291·8	25th	284·4	278·0	31st	286·7	*286·8*	−0·5	332	+112
531	Horta	38 32	28 38	65	996·7	1003·9	−17·6	288·3	290·8	8th, 12th	284·2	280·4	31st	286·3	286·9	−1·0	125	+ 6
532	Ponta Delgada	37 44	25 40	22	1003·9	1005·7	−16·3	288·9	290·7	14th	285·9	281·2	1st	287·4	287·4	−0·2	..	..
532*a*	Faja da Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	286	+172
533	Madeira (Funchal)	32 37	16 54	25	1014·0	1017·0	− 4·8	291·2	295·1	14th	286·4	282·8	2nd	288·8	*288·9*	+0·2	149	+ 58
534																		
535	Lisbon	38 43	9 9	95	1006·2	1017·8	− 3·5	287·0	290·0	17th	282·5	273·1	11th	284·7	*284·7*	+1·4	231	+137
536	Gibraltar	36 6	5 21	16·2	1019·3	1021·2	0·0	287·5	291·9	14th	283·6	278·0	1st	285·6	*286·0*	−0·1	480	+351
536*a*	Melilla	35 18 N.	2 59 W.	8	‡1020·8	‡1021·8	+ 1·4	289·4	296·8	22nd	281·8	279·4	11th	285·6	*286·2*	−1·9	60	− 33
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.

JANUARY—ZONE 5 (Eastern Half).

RÉSEAU MONDIAL.

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Palma	39 34	2 39	23	1018·4	1021·2	+ 1·9	286·0	290·4	7th	278·4	271·0	10th	282·2	..	−1·3	30	− 13
538	Algiers (Bouzaréah)	36 48	3 2	343	980·8	1021·6	+ 1·4	287·3	292·0	16th	282·0	276·1	11th	284·6	284·2	+1·7	42	− 56
539	Tunis	36 48	10 10	21	1020·3	1023·0	+ 4·7	288·3	294·0	8th	278·5	272·0	12th	283·4	*283·1*	+0·1	5	− 44
539*a*	Malta	35 54	14 31	56·4	..	1024·6	+ 6·4	288·0	291·1	25th	283·5	277·7	7th	285·7	*285·3*	−0·2	11	− 71
540	Riposto	37 41	15 14	14·2	..	1024·8	+ 5·8	286·7	289·5	8th	280·2	277·0	6th, 11th	283·5	*283·2*	−1·0	58	− 49
541	Athens	37 58	23 43	107	1010·1	1023·3	+ 5·3	286·4	289·7	25th	279·5	272·5	6th	283·0	282·9	+1·7	6	− 49
542	Alexandria	31 12	29 53	32·0	1019·0	1022·8	+ 4·2	291·6	294·1	14th	284·2	279·6	11th	287·9	*287·6*	+0·8	39	− 14
543	Cairo (Helwan)	29 52	31 20	116	1008·4	1022·5	+ 3·7	291·4	293·9	3rd, 10th	281·0	277·3	13th	286·2	285·6	−0·1	3	− 6
544	Nicosia (P.W.D.)	35 9	33 22	159	1001·6	1020·7	+ 3·5	288·2	291·9	23rd, 24th	?276·9	274·1	6th, 7th	?282·5	..	+0·4	43	− 23
544*a*	Beirut	33 54	35 28	33·7	..	1021·7	+ 4·5	288·8	291·1	1st, 2nd	283·4	280·2	7th, 8th	286·1	*286·0*	0·0	263	+ 76
545	Baghdad	33 21	44 28	38·1	..	1021·4	+ 0·5	288·4	294·1	6th	277·6	274·1	19th	283·0	*282·1*	+0·7	23	− 6
546	Busrah	30 31	47 53	7·6	1021·9	1023·0	+ 0·5	290·9	296·3	8th	278·4	273·3	19th	284·7	..	+0·7	40	+ 9
546*a*	Lenkoran	38 46	48 51	−19·3	..	..	..	..	..	..	..	..	..	..	..	..	..	..
547	Teheran	35 41	51 25	1220	..	..	..	282·3	288·3	7th	272·1	267·4	1st	277·2	*276·8*	+2·6	3	− 39
548	Meshed	36 16	59 35	946	..	..	..	281·0	294·3	8th	269·3	261·3	1st	275·2	..	+1·6	46	+ 25
549	Seistan	31 0	61 30	?	..	..	..	288·9	294·3	9th	270·9	265·7	1st	279·9	..	..	1	..
550	Quetta	30 11	67 3	1677	836·3	..	+ 1·4	283·8	290·8	9th	268·1	263·2	1st	275·9	*276·5*	−1·4	4	− 47
551	Peshawar	34 2	71 37	339	980·7	1022·2	+ 0·9	291·1	295·5	31st	274·6	271·9	25th	282·8	*281·7*	−0·9	2	− 35
551*a*	Lahore	31 34	74 20	214	993·6	1020·0	+ 1·1	293·2	296·8	31st	276·8	274·8	27th	285·0	*284·1*	−0·6	2	− 25
552	Simla	31 7	77 8	2205	782·0	..	+ 1·2	280·7	284·7	6th	275·1	271·1	25th	277·9	*277·5*	+0·3	24	− 47
552*a*	Leh	34 10	77 42	3503	666·5	..	+ 2·2	272·4	275·3	12th	257·3	250·6	27th	264·8	*263·7*	−1·2	1	− 9
559	Hankow	30 35	114 17	37·0	1027·4	1032·1	+ 3·9	282·9	290·2	31st	270·9	266·6	8th	276·9	*276·7*	−0·4	0	− 39
560	Tientsin	39 10	117 10	5·0	1029·7	1030·4	+ 1·6	274·4	279·5	15th	265·5	262·9	23rd, 31st	269·9	*269·6*	+1·0	0	− 5
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1029·6	+ 3·1	280·3	286·7	29th	267·7	263·4	3rd	274·0	273·0	−3·3	0	− 52
562	Jinsen (Chemulpo)	37 29	126 37	67·6	1016·5	1025·4	+ 0·6	271·4	277·8	29th	263·4	258·6	3rd	267·4	267·0	−2·4	3	− 24
562*a*	Nagasaki	32 44	129 52	133	1005·9	1022·6	+ 0·7	279·6	285·0	12th	272·9	269·4	7th	276·3	275·8	−3·0	15	− 65
563	Kioto	35 1	135 44	42·9	1012·9	1018·3	− 0·6	279·9	284·9	23rd	269·8	266·9	18th	274·9	274·0	−1·5	16	− 46
564	Tokio	35 41	139 45	21·3	1010·7	1013·3	− 3·0	280·3	284·4	18th	269·6	264·8	9th	275·0	274·6	−1·5	10	− 48
565	Kanayama	37 53	140 46	24·6	1009·2	1012·3	− 4·1	276·8	282·6	15th	268·4	259·6	26th	272·6	272·7	−1·0	25	− 39
566	Miyako	39 38	141 59	30·4	1006·3	1010·1	− 4·9	279·4	284·0	22nd	267·9	263·2	27th	273·7	272·6	+0·3	6	− 65

JANUARY—ZONE 6.

Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		N.	W.															
605	Honolulu	21 19	157 52	11·6	1013·5	1014·8	− 1·1	297·9	300·8	..	292·3	286·9	..	295·1	*295·0*	+0·7	150	+ 50
614	La Paz	24 10	110 20	12	1014·5	1015·9	..	296·3	301·0	3rd	280·6	277·6	12th	288·4	..	..	0	..
615	Chihuahua	28 38	106 4	1423	857·4	1016·6	..	284·6	294·0	25th	271·8	264·7	10th	278·2	..	..	14	− 8
616	Leon	21 7	101 41	1809	821·6	1015·5	− 0·2	294·2	297·4	16th	277·5	272·5	18th	285·8	*284·8*	−1·9	0	− 8
616*a*	Monterry	25 40	100 18	528	953·8	1015·0	..	292·6	307·5	26th	278·5	269·4	11th, 12th	285·5	*286·2*	..	0	..
617	Tulancingo	20 5	98 22	2180	..	..	..	..	..	..	..	268·0	..	..	284·7	0·0	0	− 17
618	Galveston	29 18	94 50	16·5	1014·5	1016·6	− 3·8	286·2	294·1	5th	277·4	264·1	11th	281·8	*281·5*	−3·0	14	− 67
618*a*	New Orleans	29 58	90 4	16·2	..	1015·9	− 4·5	287·2	299·1	28th	276·7	264·7	12th	281·9	*281·8*	−2·9	113	+ 1
619	Merida, Yuc	20 58	89 38	22	1012·4	1014·8	..	296·7	304·6	28th	290·6	286·2	5th	293·6	*293·2*	..	54	..
620	Havana	23 8	82 21	24·3	..	1017·0	− 1·5	297·2	301·1	17th	290·4	284·6	5th	293·8	*293·6*	−0·7	43	− 32
620*a*	Key West	24 33	81 48	6·7	1015·9	1016·6	− 2·6	295·4	299·7	31st	288·8	280·8	4th	292·1	*291·6*	−1·8	27	− 24
621	Nassau, Bahamas	25 5	77 21	3·7	..	1016·7	− 2·9	295·7	299·1	29th	290·4	286·6	9th	293·1	*293·0*	−1·7	17	− 36
622	Watling Island	24 6	74 26	33·5	1013·7	1017·6	− 0·5	..	300·2	23rd	..	290·8	1st	..	*296·3*	..	..	..
633	Izaña	28 19	16 30	2367	767·6	..	..	282·0	286·9	19th	275·0	272·7	21st	278·5	*277·9*	..	279	..
634	La Laguna	28 28	16 20	547	954·1	1017·8	− 2·2	290·6	294·4	11th	283·5	279·9	23rd	287·0	*286·4*	+1·8	192	+ 82
637	Insalah	27 1	W 2 21	?280	..	..	..	295·7	302·0	9th	277·9	274·0	13th	286·8	*287·9*	+1·2	0	..
641	Siwa	29 12	E 25 29	−23	..	..	..	..	..	..	..	..	..	..	..	..	..	..
642																		
643	Aswan	24 2	32 53	99·6	1007·1	1019·3	+ 1·5	..	..	..	..	..	..	..	‡287·2	−0·8	..	..
644	Tor	28 14	33 37	1·9	1019·5	1019·7	+ 2·4	292·9	296·5	1st	280·5	278·0	26th	286·7	*286·2*	−0·7	..	..
647	Bushire	28 59	50 53	4·3	1019·4	1020·1	+ 1·3	290·4	298·2	8th	283·8	280·4	10th	287·1	*286·9*	−0·3	35	− 32
648	Jask	25 44	57 47	4·0	1019·4	1019·9	+ 2·1	296·4	298·3	7th	287·3	284·1	1st	291·8	*291·6*	−0·7	1	− 25
649	Robat	29 45	60 55	?	913·3	..	..	289·6	295·2	9th	271·9	265·9	1st	280·8	..	..	3	− 13
649*a*	Karachi	24 53	66 57	4·0	1018·6	1018·9	+ 1·1	297·4	300·7	10th	285·6	282·1	1st	291·5	*291·3*	−0·9	0	− 14
650	Jacobabad	28 17	68 29	56·7	1013·1	1020·0	+ 1·5	296·2	299·6	7th	278·2	272·8	1st	287·2	*286·5*	−0·3	0	− 7
651	Jaipur	26 56	75 52	436	968·6	1020·4	+ 1·1	295·5	299·4	31st	280·3	275·3	29th	287·9	*287·2*	−1·3	6	− 6
652	Nagpur	21 8	79 5	310	981·4	1017·8	+ 0·5	299·8	302·2	24th	284·3	280·6	9th	292·1	*291·7*	−1·9	4	− 5
653	Allahabad	25 25	81 51	94·1	1007·5	1018·8	+ 1·1	295·5	297·4	1st	280·1	277·5	31st	287·8	*286·9*	−1·4	0	− 19
653*a*	Darjiling	27 3	88 18	2266	776·1	..	− 0·2	281·7	284·7	31st	274·1	273·2	21st, 28th	277·9	*277·5*	+0·1	2	− 13
654	Calcutta	22 36	88 23	6·4	1016·6	1017·3	+ 0·5	272·4	275·3	12th	257·3	250·6	27th	264·8	*263·7*	−1·2	1	− 9
655	Gauhati	26 8	91 41	59·7	1011·3	1018·5	+ 0·6	296·3	298·0	26th	282·6	280·3	15th	289·4	*288·7*	−0·2	0	− 9
655*m*	Cherrapunji	25 15	91 42	1314	870·6	..	+ 0·3	288·8	290·6	15th	280·4	278·5	29th	284·6	*283·9*	+0·2	1	− 13
655*a*	Akyab	20 11	92 56	6·1	1014·3	1015·1	− 0·2	299·3	302·4	28th	288·1	283·7	31st	293·7	*293·2*	−0·6	0	− 2
656	Mandalay	21 59	96 0	76·2	1007·8	1016·7	+ 0·8	301·7	305·5	26th	287·2	282·2	12th	294·4	*293·7*	+0·2	0	− 1
656*a*	Tengyueh	24 59	98 35	1633	835·4	..	..	288·5	291·3	19th	272·9	268·6	1st	280·7	*279·9*	..	16	..
657	Phu Lien	20 48	106 37	115	1009·2	1023·2	+ 5·2	292·0	296·4	12th	283·4	280·9	28th	287·7	286·8	−3·5	1	− 26
658	Moncay	21 31	107 51	9	1022·6	1023·7	+ 4·8	291·6	295·8	12th	279·7	275·1	15th	285·6	287·7	−4·0	0	− 38
659	Hong Kong	22 18	114 10	33·2	..	1023·1	+ 3·3	288·1	292·3	12th	282·9	278·6	9th	285·5	285·2	−3·2	0	− 35
660	Amoy	24 27	118 4	ca.3	1025·0	1025·4	+ 2·6	288·5	293·0	12th	280·2	277·4	9th	284·3	*284·0*	−3·5	1	− 26
661	Taiboku, Formosa	25 2	121 31	9·3	1023·8	1024·9	+ 3·8	288·0	295·0	1st	281·2	276·6	7th	284·6	284·2	−4·0	31	− 62
661*a*	Santo Domingo	20 28	121 59	18·7	..	..	..	293·7	297·4	1st	289·6	286·0	9th	291·7	*291·4*	−3·9	129	−107
662	Naha	26 13	127 41	10·5	1020·7	1022·0	+ 2·0	288·9	294·8	12th	283·1	280·3	21st	286·0	286·0	−3·1	53	− 83
665	Titizima (Bonin Islands)	27 5	142 11	4·0	1015·3	1015·8	− 1·8	291·3	294·4	14th	285·5	280·4	23rd	288·4	288·6	−2·1	63	− 61
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 109 and 110. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 110.

JANUARY 1918.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

JANUARY—ZONE 7.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Colima	19 12	103 45	509	957·6	1013·4	..	301·9	305·4	24th	287·2	284·8	14th	294·5	*294·9*	..	1	..
716	Morelia	19 42	101 7	1923	808·4	1011·2	..	293·9	297·3	19th	277·6	274·0	2nd	285·7	*285·5*	..	0	..
717	Mexico, Tacubaya	19 24	99 12	2309	773·7	1011·6	− 1·5	294·3	297·4	14th	275·0	270·6	2nd	284·6	284·9	+0·2	0	− 9
718	Oaxaca	17 4	96 42	1563	846·6	1013·6	− 1·0	299·5	302·3	16th	279·3	276·1	7th	289·4	*289·6*	−0·1	0	− 2
718*g*	Salina Cruz	16 12	95 12	56	1006·6	1010·9	..	300·3	303·5	29th	293·5	289·2	4th	296·9	*296·4*	..	0	..
719	San Salvador	13 42	89 13	‡665	937·9	1013·0	+ 1·1	307·7	311·5	26th	286·3	280·4	2nd	297·0	*293·8*	−1·4	10	+ 8
720	Belize	17 29	88 12	5·2	1015·4	1016·0	+ 0·1	299·7	301·9	16, 18, 30	292·3	284·7	2nd	296·0	*295·6*	−0·9	14	−150
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1014·3	− 0·8	302·1	304·6	19th	293·1	286·9	5th	297·6	*297·2*	0·0	5	− 29
722	Port au Prince	18 33	72 23	37·4	1011·3	1015·6	− 0·1	303·0	305·8	26th	292·4	290·3	17th	297·7	*296·8*	−0·5	5	− 26
723	Caracas	10 30	66 55	‡1010	901·5	..	+ 0·7	296·7	299·0	23rd, 24th	285·7	282·2	3rd	291·2	*290·1*	−1·2	14	− 9
724	Montserrat	16 41	62 9	39·6	1010·8	1015·3	− 0·9	302·1	304·7	3rd, 9th	293·8	289·7	1st, 8th	297·9	*297·4*	..	68	..
724*a*	Grenada (Richmond Hill)	12 5	61 46	155	995·1	1013·0	− 0·1	300·8	303·6	3rd	295·0	293·6	16th	297·9	*297·5*	−0·1	156	+ 43
725	Barbados	13 8	59 36	55·2	..	1014·2	− 0·1	301·3	302·7	26th	294·2	291·7	5, 6, 10	297·7	*296·7*	+0·2	37	− 31
731	St. Vincent, C. Verde Is.	16 54	25 4	11	1013·3	1014·6	− 0·5	297·9	300·0	6th	293·1	292·0	27th	295·5	*296·2*	+0·9	43	+ 39
732	San Tiago, C. Verde Is.	14 54	23 31	?40	1009·5	1014·1	− 1·0	299·2	302·9	10th	294·5	292·4	27th	296·8	*296·8*	+1·5	1	− 2
733	Bathurst	13 24	16 36	1·5	..	1013·7	+ 1·3	304·5	307·4	10, 11, 26	..	..	..	..	*298·1*	+0·8	0	0
734	M'Carthy Island	13 42	14 46	1·1	..	..	..	309·5	311·3	6th, 7th	289·4	288·6	10, 25, 31	299·4	..	+0·8	0	− 1
735	Ségou	13 34	6 17	300	..	..	..	..	..	..	..	..	..	..	..	..	..	..
736	Timbuctoo	16 43	W 3 2	270	..	..	..	303·2	308·5	2nd	284·8	281·4	24th, 25th	294·0	*294·1*	−0·5	0	..
737	Sokoto	13 2	E 5 14	353	..	..	..	304·6	311·9	1st	287·0	283·6	31st	295·8	*295·5*	−0·7	0	0
738	Kaduna Capital	10 32	7 25	637	945·2	1017·7	+ 3·6	302·1	307·4	2nd, 3rd	286·3	283·6	28th	294·2	*293·9*	−1·8	0	0
739	Katagum	12 17	10 22	30·7	..	..	..	302·1	310·8	2nd	283·2	278·6	11th	292·7	*292·4*	−2·7	0	0
740	Maiduguri	11 47	13 11	361	..	..	..	303·7	312·4	1st	285·1	281·3	27th	294·4	*294·1*	−2·0	0	0
741	El Fasher	13 32	25 18	730	..	..	..	299·5	306·5	4th	..	..	..	..	..	..	0	..
743	El Obeid	13 11	30 14	569	947·4	1012·3	− 0·3	302·2	303·4	19th	281·5	277·9	24th, 26th	291·9	*291·2*	−1·4	0	0
743*a*	Khartoum	15 37	32 33	390	968·8	1013·4	+ 1·0	301·0	305·5	3rd	287·0	283·2	30th	294·0	*294·4*	−1·2	0	0
744	Port Sudan	19 37	37 13	5·9	1014·7	1015·4	+ 0·6	290·8	303·0	2nd, 5th	291·9	288·5	14th	295·9	*295·6*	−0·3	0	− 11
745	Berbera, Somaliland	10 22	45 2	0·2	1017·0	1018·1	+ 2·3	302·2	303·6	1, 11, 15	291·8	288·0	13th, 18th	297·0	*297·1*	−0·4	2	− 1
746	Aden	12 45	45 3	28·7	1013·5	1016·8	+ 0·4	298·3	299·8	10th	293·8	291·8	19th, 30th	296·1	*295·5*	−1·0	4	− 5
751	Bombay	18 54	72 49	11·3	1013·1	1014·3	− 1·0	301·5	303·7	16th	292·9	290·1	25th	297·2	*296·8*	+0·2	0	− 2
751*a*	Cochin	10 58	76 21	2·7	1011·6	1011·8	− 1·6	304·4	306·2	29th	295·4	292·9	30th	299·9	*299·5*	−0·1	38	+ 23
752*a*	Kodaikanal	10 14	77 28	2343	770·6	..	− 1·5	289·3	293·2	1st	280·2	275·9	29th	284·7	*284·7*	−1·1	154	+ 93
753	Bangalore	12 59	77 38	920	912·0	1014·2	− 1·3	299·1	302·3	21st	287·8	283·9	10th	293·4	*292·9*	+0·2	21	+ 14
754	Madras	13 4	80 14	6·7	1012·9	1013·5	− 1·8	300·8	303·5	1st	294·1	291·3	6th	297·4	*296·9*	−0·2	204	+176
754	Waltair	17 45	83 16	68·9	1008·0	1016·1	− 0·4	299·6	301·4	29th	292·7	289·3	6th	296·2	*295·8*	−0·4	2	− 12
755	Port Blair	11 40	92 40	17·7	1010·5	1012·6	− 0·9	302·2	303·6	1st	297·4	294·7	9th	299·8	*299·4*	−0·4	77	+ 36
756	Rangoon	16 46	95 48	5·5	1014·5	1015·6	+ 0·9	303·3	307·9	21st	291·4	288·0	16th	297·4	*296·3*	−0·5	2	− 4
757	Saigon	10 47	106 42	11·2	1011·1	1012·4	+ 0·6	302·1	304·1	20th	291·5	289·0	24th, 31st	296·8	*296·1*	−2·4	8	− 8
758	Nhatrang	12 15	109 12	3·6	1015·2	1015·6	+ 1·3	298·0	300·5	12th	292·0	288·4	31st	295·0	*294·6*	−2·6	12	− 50
759	Bolinao	16 24	119 53	7·1	..	1010·2	− 1·4	303·4	305·0	7th	293·4	289·4	21st	298·4	*297·8*	−1·1	4	− 7
761	Vigan	17 34	120 23	12·2	..	1011·8	− 0·8	302·1	304·7	5th	292·9	290·0	23rd	297·5	297·2	−1·2	0	− 1
761*a*	Manila	14 35	120 59	14·2	..	1011·9	− 0·6	301·5	303·4	14th	292·1	288·7	23rd	296·8	296·1	−1·7	3	− 23
762	Ormoc	11 0	124 36	5·6	..	1008·5	− 1·5	300·6	303·9	2nd, 20th	295·3	293·8	14th	297·9	*297·4*	−0·7	458	+257
765	Guam, Ladrone Is.	13 24	144 38	20·4	..	1008·7	− 1·0	301·4	302·4	1st	296·0	294·7	3rd, 27th	298·7	*299·0*	0·0	137	+ 75
		N.	E.															

Between Latitude 10° N. and 0°.

JANUARY—ZONE 8.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		N.	W.															
805	Fanning Island	3 55	159 23	3·1	..	..	..	303·8	305·8	30th	296·6	295·8	10th, 20th	300·2	*299·7*	+0·4	30	−254
821	Colon	9 23	79 23	11·0	..	1011·8	+ 0·1	300·4	301·9	26th	296·8	294·1	2nd	298·6	*298·3*	−0·9	83	− 15
822	Bogota	4 36	74 6	2645	..	..	..	..	..	..	..	..	..	..	..	..	61	− 2
822*a*	Merida, Venez	8 36	71 9	1641	‡841·8	..	..	295·5	296·7	9, 26, 31	285·9	283·9	11th	290·7	*289·8*	..	48	..
824	El Peru, Guayanavieja	7 19	61 49	220	985·4	1010·9	− 0·1	..	..	..	293·1	291·3	9th	..	‡*293·9*	−0·8	93	− 7
825	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1013·6	+ 0·8	301·3	302·4	3rd	296·4	294·7	20th, 28th	298·8	*298·3*	−0·3	215	+ 22
826	Paramaribo	5 49	55 9	3·7	..	..	..	301·6	304·1	24th	‡291·9	‡290·2	7th	‡296·7	*297·2*	−0·6	117	−107
826*a*	Cayenne	4 56	52 21	6	..	..	..	302·6	304·8	5th	293·8	291·8	27th	298·2	*298·8*	−1·0	372	+ 7
833	Conakry	9 31	13 43	16	..	..	..	..	..	..	..	..	..	..	..	..	..	..
834	Freetown, Sierra Leone	8 30	13 9	68·3	1006·1	1014·0	+ 2·9	304·5	305·8	12, 24, 25	295·7	293·6	10th, 18th	300·1	*298·8*	−0·3	40	+ 29
835	Cape Coast Castle	5 5	1 13	?	..	..	..	..	..	..	..	..	..	..	..	..	11	− 12
836	Accra	5 33	W 0 12	25·7	..	..	..	305·1	..	..	296·1	..	..	300·6	*300·0*	+0·9	0	− 18
837	Lagos	6 27	E 3 24	1·8	1012·1	1012·3	+ 0·6	303·9	305·3	..	295·4	292·6	..	299·7	*299·1*	−0·5	0	− 28
838	Zungeru	9 48	6 10	130	..	..	..	307·6	311·3	5th	291·7	285·8	11th	299·7	*299·4*	−0·2	0	− 1
838*a*	Libreville	0 23	9 26	35	..	..	..	..	..	..	..	..	..	..	..	..	..	..
839	Yola	9 12	12 30	259	..	..	..	305·8	311·9	2nd	291·2	289·1	5, 27, 31	298·5	*298·2*	−1·2	0	0
841	Wau	7 42	28 3	440	960·1	1010·0	+ 0·6	306·2	310·0	5th, 7th	288·1	283·0	9th	297·1	*295·8*	−2·7	0	− 1
843	Malakal (Kodok)	9 35	31 37	394	965·6	1010·3	+ 1·3	306·6	309·6	1st	288·8	285·0	23rd	297·7	*296·3*	..	0	0
843*a*	Mongalla	5 11	31 47	439	959·1	1008·4	+ 0·8	306·1	311·5	2nd	290·9	287·0	24th	298·5	*297·6*	−2·3	0	− 2
844	Entebbe	0 5	32 29	1171	883·6	..	+ 0·3	299·8	301·3	17th	291·1	288·6	10th	295·4	*294·5*	+0·2	53	− 13
845	Harrar	9 42	42 30	1856	..	..	..	297·

JANUARY —ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature Mean Max. A.	Temperature Absolute Max. *	Temperature Date.	Temperature Mean Min. B.	Temperature Absolute Min.	Temperature Date.	Temperature Mean of A and B.	Temperature †24 hr. Mean. *	Temperature Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	4 1	155 1	7·9	1010·6	1011·5	+ 2·0	304·1	305·2	25, 29, 31	295·7	293·0	3rd	299·9	*299·2*	−1·0	17	− 68
924	Manaos	3 8	60 1	43·8	..	..	..	302·6	306·2	3rd	295·2	294·0	31st	298·9	*298·1*	−1·6	263	+ 47
926	Taperinha	2 30	54 20	20·0	1008·6	1010·9	..	301·0	302·8	12th	294·6	292·8	3rd	297·8	*296·9*	..	206	..
927	Turyassu	1 43	45 26	15·1	1008·6	1010·4	− 0·2	304·3	306·1	11th	294·2	292·1	15th	299·3	*298·1*	−1·0	226	− 2
928	Barra do Corda	5 30	45 16	81·0	1000·2	1009·5	− 0·4	303·1	305·2	16th, 21st	293·5	292·0	8th	298·3	*297·0*	−1·4	150	− 42
929	Quixeramobim	5 16	39 15	207	987·7	1011·0	+ 0·2	305·4	307·5	3rd, 21st	297·9	295·4	10th	301·6	*300·5*	−0·8	90	+ 14
930	Fernando Noronha	3 50	W32 25	106	999·7	1011·8	− 0·1	301·2	302·4	27th	297·2	295·5	18th	299·2	*298·5*	..	16	− 48
939	Loanda	8 49	E 13 13	59·3	..	1012·1	+ 1·7	298·7	301·0	6th	294·6	293·5	24th	296·7	296·3	−1·8	5	− 19
940	Brazzaville	4 17	15 16	320	975·8	1012·3	+ 1·3	301·6	305·6	14th	292·7	291·0	13th, 26th	297·2	*296·6*	−1·8	89	− 20
943	Masaka	0 21	31 47	?1280	..	..	..	299·5	300·8	17th, 19th	287·9	285·8	12th	293·7	*292·1*	−1·0	34	− 17
944	Nairobi	1 14	36 44	1800	..	..	..	298·6	300·8	31st	..	..	..	..	‡*291·3*	0·0	4	− 40
944*a*	Zanzibar	6 10	39 11	21·9	1010·4	1012·8	− 0·1	302·1	304·5	11th	298·3	294·6	13th	300·2	*299·7*	−1·0	59	− 19
945	Lamu	2 16	40 50	3·1	..	..	..	304·7	306·3	16th	297	296·9	4th	300·8	*300·3*	+0·5	0	− 1
947	Seychelles, Port Office	4 37	55 27	4·6	1010·7	1011·3	0·0	300·0	300·9	..	297·7	296·0	..	298·9	*298·2*	−0·7	614	+205
957	Padang	0 56	100 22	6·7	..	1009·7	− 1·6	302·4	304·4	28th	295·7	294·7	14th	299·1	298·6	..	167	−184
958	Batavia	6 11	106 50	8·0	1008·6	1009·5	− 0·4	300·7	304·6	6th	295·5	294·7	28th	298·1	297·7	−0·8	321	+ 5
958*a*	Pontianak	0 1	109 20	2·6	..	1009·6	− 0·9	301·5	303·9	6th	295·8	294·9	14th	298·7	297·9	..	429	+150
959	Passeroean	7 38	112 55	5·0	..	1008·2	− 0·6	303·1	304·1	9th	296·2	295·3	18th	299·7	298·9	−0·5	225	− 16
960	Kajoemas	7 56	114 9	1060	..	..	..	295·0	296·9	27th	290·6	290·1	18th	292·8	292·1	..	448	− 6
962	Ambon	3 42	128 10	4·2	..	1008·1	− 0·2	303·6	305·5	12th	296·6	294·9	17th	300·1	299·5	+0·5	207	+ 75
963	Manokwari	0 52	134 20	19·0	..	1006·2	− 2·3	303·7	306·0	4th	295·2	293·2	10th	299·5	298·7	..	84	−289
965	Daru	9 4	143 13	7·6	..	1007·1	− 1·7	304·0	..	..	..	..	..	..	‡*299·4*	−0·9	0	−358
966	Port Moresby	9 29	147 9	39·0	..	1006·5	− 1·7	304·8	..	..	296·7	..	..	300·7	*300·2*	−0·4	80	−124
967																		
968	Rendova	8 30	157 12	1·8	1007·3	1007·5	+ 0·4	..	..	..	..	..	..	..	..	..	264	−209
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1007·8	1008·1	+ 1·2	304·6	307·7	2nd	297·3	295·8	10th	300·9	*300·7*	0·0	325	− 19
970	Ocean Island	0 52 S.	169 35 E.	20·0	1005·5	1007·9	+ 0·7	304·1	304·7	7, 22, 26	297·2	294·7	4th	300·6	*300·0*	−0·4	4	−323

JANUARY—ZONE 10.

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature Mean Max. A.	Temperature Absolute Max. *	Temperature Date.	Temperature Mean Min. B.	Temperature Absolute Min.	Temperature Date.	Temperature Mean of A and B.	Temperature †24 hr. Mean. *	Temperature Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1002	Apia, Samoa	13 48	171 46	2	..	1010·4	+2·5	302·3	304·0	24th	295·8	294·4	12th	299·1	298·6	−0·4	304	−237
1003	Alofi, Niue Island	19 2	169 55	36·6	..	..	..	304·2	306·9	14, 28, 30	295·6	291·3	6th	299·9	*299·7*	..	140	−136
1007	Makatea	15 47	148 14	47	1007·4	1012·8	..	304·7	306·3	21st	296·1	293·7	4th	300·4	*299·8*	+0·1	176	− 42
1021	Arequipa	16 22	71 33	2451	760·5	..	−0·2	291·6	294·8	20th	282·2	279·7	15th	286·9	*286·0*	−0·8	48	+ 17
1022	Puerto de Arica	18 28	70 20	5	..	..	..	297·2	298·2	30th	291·3	290·4	sev. dates	294·3	*295·4*	+0·8	10	+ 9
1023																		
1024	Sucre, Bolivia	19 30	64 24	2848	729·1	..	..	..	..	28th	..	278·5	30th	..	‡*284·6*	..	300	+139
1025	Corumba	18 59	57 39	116	994·7	1008·0	..	305·3	308·8	7th	294·2	289·4	19th	299·7	*298·7*	−1·3	263	+ 97
1026	Cuyaba	15 36	56 6	165	989·8	1008·6	0·0	302·6	305·8	23rd	297·5	296·2	22nd	300·0	*299·6*	−0·5	231	− 22
1027	Bello Horizonte	19 55	43 55	857	917·2	1012·1	− 0·3	300·8	304·4	7th	290·7	288·8	5th	295·7	*295·9*	+1·1	119	−267
1028	Caetite	14 3	42 37	900	914·5	1013·5	+ 0·5	299·5	301·5	22nd	290·8	289·1	15th	295·1	*295·5*	−0·7	81	− 58
1029	Ondina (Bahia)	13 0	38 31	46·6	1006·4	1011·7	− 0·8	303·5	305·6	10th	295·6	294·0	13th	299·5	*298·8*	+0·2	96	+ 15
1030	Aracaju	10 55	37 3	4·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1035	St. Helena	15 57	W 5 40	632	945·5	1016·9	+ 0·6	295·3	297·4	10th	286·7	284·6	11th	291·0	*290·7*	0·0	98	+ 21
1042	Gwelo	19 27	E 29 49	1417	858·0	..	− 2·1	296·4	302·4	15th	287·4	284·1	28th	291·9	..	−2·3	291	+126
1043	Salisbury, Rhodesia	17 49	31 3	1457	852·7	..	− 2·7	297·4	301·9	6th	286·8	283·6	25th	292·1	..	−1·8	330	+131
1044	Zomba	15 23	35 18	‡945	903·2	1007·2	− 2·1	300·4	303·6	5th	291·1	289·1	16th	295·8	*295·2*	+0·2	230	− 49
1045	Tananarive	18 55	47 32	1400	862·3	..	− 0·2	299·3	301·4	14th	288·6	286·0	12th	294·0	*293·4*	+0·5	195	−110
1046	Sainte-Marie	17 0	49 51	15	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1055	Cocos Keeling Is.	12 5	96 53	4·6	1008·6	1009·1	− 2·4	302·6	304·3	18th	297·2	295·9	3rd, 14th	299·9	..	−0·5	172	+ 38
1056																		
1057	Christmas Island	10 25	105 43	5·5	1005·5	1006·1	− 2·0	301·6	303·6	..	296·6	294·1	..	299·1	*298·6*	−1·3	564	+314
1058																		
1061	Koepang	10 10	123 34	45·1	..	1007·7	− 0·7	302·2	304·1	20th	295·8	294·6	9th	299·0	298·7	..	654	+266
1061*a*	Derby	17 18	123 40	10·2	1004·2	1006·2	− 0·7	306·1	308·7	1st	298·4	294·8	24th	302·2	..	−1·1	118	− 81
1062	Hall's Creek	18 13	127 46	374	964·4	1005·3	− 1·1	308·3	313·6	4th	296·0	293·1	18th	302·1	*301·6*	−1·2	193	+ 47
1063	Darwin	12 28	130 51	29·6	1002·3	1005·7	− 0·2	303·6	306·2	1st	297·2	294·7	12th	300·4	*299·4*	−1·4	537	+133
1064	Daly Waters	16 16	133 23	211	979·7	1003·0	− 1·9	307·1	311·9	3rd	296·1	293·0	20th	301·6	*301·1*	−1·7	247	+ 55
1065	Mein	13 13	142 47	122	992·1	1005·7	+ 0·1	304·7	307·7	14th	295·9	294·9	3, 4, 18	300·3	..	−0·3	201	−129
1066	Georgetown, Queensland	18 22	143 32	302	973·3	1007·1	+ 0·5	303·9	309·1	1st	295·4	293·0	3rd, 10th	299·7	..	−1·4	334	+123
1067	Samarai	10 37	150 40	15·2	..	1008·2	+ 0·4	304·3	..	..	..	..	..	301·4	*301·2*	+0·6	68	− 72
1072	Suva, Fiji	18 8 S.	178 26 E.	16·8	..	1010·2	+ 1·3	303·9	305·8	31st	295·9	293·8	9th	299·9	*299·7*	+0·3	72	−206
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 112 and 113. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 112 and 113.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

JANUARY—ZONE 11.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature Mean Max. A.	Temperature Absolute Max.	Temperature Date.	Temperature Mean Min. B.	Temperature Absolute Min.	Temperature Date.	Temperature Mean of A and B.	Temperature †24 hr. Mean. *	Temperature Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	6	..	..	..	..	..	..	..	..	..	..	..	..	177	− 65
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1011·5	1014·7	+ 0·2	292·4	294·6	23rd	287·2	286·2	23rd	289·8	*289·5*	−0·2	0	0
1122	Iquique	20 12	70 11	9	1012·6	1013·7	+ 0·1	295·0	296·4	sev. dates	288·0	286·8	14th	291·5	*292·9*	−1·2	0	0
1123	Catamarca	28 27	65 47	510	..	1006·6	+ 0·2	305·9	314·3	27th	293·1	287·7	2nd	299·5	298·5	−2·0	70	− 3
1124	Salta	24 46	65 28	1178	880·1	1007·6	− 1·2	299·1	304·4	6th	289·3	286·6	27th	294·2	294·8	−0·1	363	+218
1125	Goya	29 9	59 15	26	..	1009·1	+ 0·1	307·3	315·3	29th	294·8	291·0	20th	301·1	300·8	+2·0	209	+ 97
1126	Asuncion	25 21	57 37	95	‡991·1	‡1010·0	− 0·9	307·2	312·9	8th	295·6	290·6	22nd	301·4	300·3	+0·4	135	− 11
1127	Curityba	25 25	49 17	908	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1128	Rio de Janeiro	22 54	W43 10	61·4	1004·5	1011·6	+ 0·5	301·4	306·0	2nd	295·8	293·6	13th	298·6	298·2	−0·5	86	− 42
1139	Windhoek	22 35	E 17 5	1680	..	..	..	299·9	304·7	31st	289·9	285·1	2nd	294·9	*294·9*	−1·6	54	− 39
1140																		
1141	Kimberley	28 42	24 47	1202	879·0	..	− 1·0	302·8	309·2	28th	289·2	284·9	5th	296·0	295·9	−0·7	57	− 14
1142	Johannesburg	26 11	28 4	1806	821·3	..	− 1·2	295·3	302·1	27th	284·7	278·6	25th	290·0	*289·5*	−2·0	126	− 33
1142*a*	Pretoria (Brooklyn)	25 46	28 13	1400	859·8	..	− 1·3	297·9	302·3	27th	287·3	282·9	25th	292·6	*292·1*	−2·3	47	..
1143	Durban	29 52	31 3	15·2	1014·0	1015·8	+ 0·7	299·5	302·6	14th	292·1	288·6	5th	295·8	*295·4*	−1·3	105	− 8
1144	Lorenzo Marques	25 58	32 36	59	..	1011·8	− 0·4	300·8	307·9	3rd	293·5	290·3	6th	297·2	296·9	−1·8	324	+186
1147	Mauritius	20 6	57 33	55·2	1005·2	1011·6	− 0·3	302·3	304·1	10th	295·0	292·8	4th	298·7	298·4	−0·6	134	− 63
1159	Onslow	21 43	114 57	4·3	1003·3	1004·0	− 2·0	310·4	319·0	6th	298·3	295·7	7th	304·3	..	+1·4	38	+ 14
1160	Peak Hill	25 38	118 47	588	940·6	1004·2	− 1·2	310·4	314·2	22nd	297·8	291·3	16th	304·1	..	+0·4	11	− 31
1161	Nullagine	21 53	120 5	386	962·0	1003·5	− 1·8	311·9	316·9	21st	298·1	294·3	17th	305·0	..	+0·2	16	− 64
1162	Laverton	28 40	122 23	466	957·7	1009·2	− 0·4	308·8	316·6	20th	293·1	286·1	14th	300·9	*300·6*	−0·4	19	− 7
1163	Alice Springs	23 38	133 37	587	941·7	1005·2	− 0·9	307·7	312·4	13th	293·3	288·0	18th	300·5	*300·5*	−1·1	12	− 35
1164	William Creek	28 55	136 21	76·2	1000·0	1008·5	− 1·1	308·7	315·5	6th	294·6	288·8	1st	301·7	*301·3*	+0·5	5	− 9
1164*a*	Boulia	22 55	139 38	146	987·7	1003·9	− 1·2	307·3	313·8	2nd	..	..	..	..	..	..	136	+ 83
1165	Thargomindah	27 58	143 43	123	993·6	1007·3	..	306·4	314·2	13th	295·5	291·1	8th	301·0	*300·6*	..	67	+ 19
1166	Mitchell	26 32	147 52	336	972·3	1009·6	..	301·8	311·8	1st	292·0	287·7	9th	296·9	..	−2·6	259	+173
1167	Rockhampton	23 24	150 30	11·3	1007·8	1009·1	− 0·3	301·9	308·6	14th	294·9	292·4	10th, 11th	298·4	..	−1·5	873	+640
1168	Brisbane	27 28	153 2	11·6	1011·2	1012·6	+ 1·0	301·3	307·5	14th	292·4	289·6	6th	296·8	*296·0*	−1·3	195	+ 32
1169	Quitchambo	21 52	166 3	38	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1170	Norfolk Island	28 58 S.	168 3 E.	15·2	1010·5	1012·4	− 0·8	298·2	300·8	17th, 27th	292·4	289·7	8th	295·3	..	+0·3	188	+ 96

Between Latitude 30° S. and 40° S.

JANUARY—ZONE 12.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature Mean Max. A.	Temperature Absolute Max.	Temperature Date.	Temperature Mean Min. B.	Temperature Absolute Min.	Temperature Date.	Temperature Mean of A and B.	Temperature †24 hr. Mean. *	Temperature Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1221	Juan Fernandez	33 37	78 50	10	..	..	..	293·9	297·0	18th	288·5	286·0	30th	291·2	*291·6*	0·0	43	+ 25
1221*a*	Punta Tumbes	36 37	73 6	91	‡1004·2	‡1015·2	+ 0·2	292·8	294·9	10th	283·0	281·4	11th	287·9	*287·6*	−0·2	15	+ 12
1222	Punta Angeles, Valparaiso	33 1	71 38	41	1009·5	1014·4	− 0·1	294·5	299·0	8th, 24th	285·2	283·0	8th	289·9	*289·6*	−1·4	0	0
1222*a*	Santiago	33 27	70 42	520	953·4	1012·8	+ 0·4	302·2	305·8	25th	283·8	281·3	1st	293·0	*292·1*	−0·4	0	− 1
1223	Cordoba	31 25	64 12	423	961·1	1008·9	− 0·3	304·7	313·2	..	290·8	287·2	..	297·7	297·0	+0·8	145	+ 39
1224	Bahia Blanca	38 45	62 15	25	..	1010·3	+ 1·1	305·1	312·0	4th	291·2	285·0	7th	298·1	297·7	+1·4	23	− 21
1225	Buenos Ayres (Chacarita)	34 36	58 22	25	..	1011·1	− 0·6	301·7	307·6	23rd	292·2	288·2	10th	296·9	296·7	+0·2	127	+ 47
1226	Montevideo (Prado)	34 52	56 12	24·9	1009·4	1012·3	0·0	301·2	308·0	13th, 29th	290·8	284·0	3rd	296·0	295·9	+0·6	77	+ 6
1226*a*	Porto Alegre	30 2	W51 13	23·5	1009·1	1011·8	+ 0·4	304·5	311·4	6th	293·1	287·6	13th	298·8	298·0	+0·5	58	− 59
1239	Cape Town	33 56	E 18 29	12·2	..	1014·0	+ 0·4	300·6	309·1	27th	288·6	284·7	26th	294·6	*293·2*	+0·6	1	− 17
1240	Danger Point	34 37	19 18	27·7	1012·8	1016·1	..	293·4	295·8	15th	286·9	284·1	12th	290·2	..	..	3	..
1241	Riversdale	34 6	21 16	761	1002·3	..	..	298·4	306·9	7th, 25th	287·6	284·1	5th	293·0	..	..	44	..
1242	East London	33 1	27 54	9·8	1013·5	1014·6	+ 1·7	296·3	303·0	14th	289·9	288·0	4th	293·1	..	−1·0	180	+100
1259	Perth (Observatory)	31 57	115 51	60·0	..	1011·5	− 1·2	304·7	314·7	9th	292·3	284·6	3rd	298·5	*298·0*	+2·2	11	+ 3
1260	Katanning	33 42	117 35	310	977·8	1013·0	− 0·2	303·5	314·1	24th	287·6	280·3	3rd	295·6	..	+0·8	74	+ 64
1261	Coolgardie	30 57	121 10	423	964·3	1011·5	+ 0·2	306·3	315·6	25th	290·3	283·6	14th	298·3	*298·0*	+0·1	0	− 12
1262	Eucla	31 45	128 58	4·6	1013·4	1014·1	+ 0·8	296·9	316·8	20th	290·6	285·8	1st	293·8	*293·1*	−0·7	4	− 11
1263	Streaky Bay	32 48	134 13	13·1	1013·1	1014·5	+ 1·1	303·5	314·1	20th	288·9	284·1	1, 17, 18	296·2	*295·4*	+1·3	0	− 11
1264	Adelaide	34 56	138 35	42·7	1008·1	1013·1	+ 0·1	304·1	313·3	21st	290·9	283·9	1st, 17th	297·5	*296·9*	+1·1	10	− 8
1265	Melbourne	37 49	144 58	35·1	1010·4	1014·4	+ 1·5	299·6	310·1	25th	288·9	284·5	2nd	294·3	*293·9*	+1·6	62	+ 15
1266	Bourke	30 13	145 58	110	999·9	1012·3	+ 2·3	306·8	313·0	13th	292·4	287·4	11th	299·6	..	−2·8	30	− 8
1267	Sydney	33 52	151 13	44·5	1010·1	1015·1	+ 2·6	297·4	300·3	27th	291·2	288·1	3rd	294·3	*294·2*	−0·7	335	+242
1268	Lord Howe Island	31 20	159 0	4·6	1013·0	1013·6	+ 0·7	298·1	300·7	28th	292·2	289·1	14th	295·1	..	−0·5	160	+ 35
1271	Auckland	36 50	174 50	38·1	..	1014·9	..	295·5	298·6	13th	289·3	284·7	1st, 2nd	292·4	..	+0·2	106	+ 41
1272	Napier	39 32 S.	176 53 E.	21·3	..	..	..	..	..	..	..	..	..	..	..	..	..	..

Between Latitude 40° S. and 50° S.

JANUARY—ZONE 13.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature Mean Max. A.	Temperature Absolute Max.	Temperature Date.	Temperature Mean Min. B.	Temperature Absolute Min.	Temperature Date.	Temperature Mean of A and B.	Temperature †24 hr. Mean. *	Temperature Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1301	Chatham Island	43 52	170 42	104	..	..	..	..	..	..	..	..	..	..	..	..	32	− 29
1321	Isla Huafo	43 34	74 45	140	999·1	1016·0	− 0·4	286·7	289·9	16th	282·4	278·5	6th	284·5	*284·7*	−1·0	59	− 6
1322	Punta Galera	40 1	73 44	40	1011·2	1016·0	− 0·3	288·9	292·9	24th	283·0	277·6	2nd	285·9	*286·4*	−1·0	75	+ 15
1323	Sarmiento	45 30	69 0	274	..	1006·7	..	298·3	304·0	18th	284·0	279·8	6th	291·1	290·6	−1·3	0	− 8
1324	Puerto Madryn	42 49	W64 58	14	..	1009·4	..	301·0	310·8	3rd	286·3	278·4	1st	293·7	292·7	−0·5	20	+ 10
1365	Launceston	41 27	E147 10	10·1	1014·9	1016·0	+ 4·2	298·9	305·3	25th	286·0	280·3	1st	292·4	*291·3*	+1·4	39	− 7
1366	Hobart	42 53	147 20	53·9	1010·1	1016·6	+ 6·5	294·2	308·1	21st	285·3	280·8	17th	289·8	*288·7*	0·0	25	− 20
1370	Invercargill	46 25	168 21	5·5	..	..	..	291·4	298·6	24th	282·7	278·0	13th	287·1	..	+0·2	92	− 17
1371	Dunedin	45 52	170 31	91·4	..	1013·7	+ 4·5	292·2	298·6	22nd, 27th	283·6	278·6	1st	287·9	..	+1·0	51	− 35
1371*a*	Christchurch	43 31	172 38	7·6	..	1014·8	+ 3·8	292·7	301·8	18th	285·5	278·6	2nd	289·1	..	−0·3	60	+ 8
1372	Wellington	41 16 S.	174 46 E.	2·4	..	1016·2	+ 4·1	294·2	298·8	17th	287·4	281·2	30th	290·8	..	+0·9	44	− 40
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 113 and 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 113 and 114.

JANUARY—ZONE 14. Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A. and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	995·9	1002·6	+ 0·7	282·2	284·0	18th	279·0	276·2	5th	280·6	*280·6*	−1·2	379	+ 60
1422	Puerto de Punta Arenas	53 10	70 54	4	999·0	999·5	− 0·1	288·4	293·3	25th	279·1	276·0	21st	283·7	*283·7*	−0·3	13	− 17
1423	Punta Dungeness	52 24	68 26	5	999·9	1000·5	+ 0·4	290·4	294·8	25th	279·4	277·6	5th, 7th	284·9	*284·5*	−0·3	18	− 13
1424	Santa Cruz	50 11	68 21	12	..	1003·2	− 0·5	294·8	303·0	18th	281·8	277·0	6th	288·3	287·8	−0·3	13	0
1424*a*	Año Nuevo	54 39	64 9	50	990·4	996·4	+ 0·1	283·6	286·0	8th	278·8	276·6	19th	281·2	281·1	+0·9	94	..
1425	Stanley, Falkland Is.	51 41	57 51	4	..	..	..	..	..	..	..	..	..	..	..	..	55	− 10
1426	Cape Pembroke	51 41	57 42	21	..	1001·1	+ 1·5	286·8	291·9	27th	279·2	275·8	7th	283·0	283·3	+0·7	..	..
1429	S. Georgia (Cumberland Bay)	54 14 S.	36 33 W.	4	995·3	995·8	+ 1·7	283·5	293·0	28th	276·3	273·0	11th	279·9	*280·0*	+0·9	60	− 15

JANUARY—ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys	60 44	44 39	7	988·2	989·1	− 1·6	277·4	284·3	25th	273·2	270·4	4th	275·3	274·9	+1·8	25	− 13
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 115. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—JANUARY 1918.

Date.	St. Helena. 1035. Direction.	St. Helena. 1035. ††Mean Velocity for the Day.	Fanning Island. 805. Direction and Force (Beaufort).	Sierra Leone. 834. Direction and Force (Beaufort).	Entebbe. 844. Direction and Force (Beaufort).	Malden Island. 905. Direction and Force (Beaufort).	Tulagi. 969. Direction and Force (Beaufort).	Ocean Island. 970. Direction and Force (Beaufort).	Suva, Fiji. 1072. Direction and Force (Beaufort).
	9h.	m/s	9h. 21h.	9h. 17h.	7h. 21h.	9h.	9h.	9h. 21h.	9h.
1	SE	—	SE 5 E 4	Calm 0 W 4	W 4 W 4	ESE 4	SE 4	E 3 E 3	E 2
2	SE	—	SE 4 SE 3	Calm 0 W 4	W 4 W 4	E by S 2	Calm 0	E 3 E 3	Calm 0
3	SE	—	SE 5 SE 4	W 3 NW 3	Calm 0 Calm 0	ENE 2	SE 2	E 3 E 4	Calm 0
4	SE	—	E 4 SE 4	Calm 0 W 3	Calm 0 SW 2	E by S 2	SE 2	E 3 E 3	N 1
5	SE	—	SE 5 SE 4	Calm 0 SW 3	W 2 SW 4	E by S 2	SE 2	E 4 E 4	NE 1
6	SE	—	SE 4 SE 3	Calm 0 W 4	W 3 SW 4	NE 2	Calm 0	E 4 E 3	Calm 0
7	SE	—	SE 5 SE 5	Calm 0 W 3	Calm 0 N 2	E by N 3	SE 2	SE 3 ESE 3	W 2
8	SE	6·0	SE 6 SE 5	Calm 0 Calm 0	N 3 W 2	ESE 2	SE 2	E 3 E 4	SW 3
9	SE	5·4	SE 4 SE 4	W 4 SW 1	W 2 SW 3	ENE 2	Calm 0	E 3 E 4	SE 3
10	SE	5·2	SE 4 S 2	SW 3 SW 2	N 2 N 3	NNE 2	SE 2	E 3 E 3	NE 3
11	SE	6·3	SE 4 SE 4	NE 1 NW 2	E 4 SW 2	NE 2	Calm 0	E 2 E 2	SE 2
12	SE	5·0	SE 6 SE 5	Calm 0 Calm 0	W 3 N 2	NE 6	Calm 0	E 2 E 1	NE 2
13	SE	7·2	SE 5 ESE 5	Calm 0 W 1	W 3 N 2	E by S 5	SE 2	E 2 E 1	Calm 0
14	SE	9·0	ESE 5 SE 5	NE 1 NE 2	W 3 SW 2	E by S 3	N 2	E 3 E 3	Calm 0
15	SE	9·4	SE 5 E 5	NE 1 NE 2	W 3 W 3	ENE 3	SE 2	NE 3 E 3	E 3
16	SE	8·5	E 5 E 3	NE 2 N 3	W 2 SW 4	ENE 3	Calm 0	E 2 E 3	NE 4
17	SE	6·0	SE 5 SE 5	Calm 0 Calm 0	SW 3 SW 4	E by S 3	NW 2	E 3 E 4	NE 3
18	SE	7·5	SE 5 SE 5	Calm 0 ENE 5	W 4 N 2	E 3	N 4	E 2 E 3	NE 1
19	SE	7·9	E 5 ESE 4	E 1 SW 3	N 3 W 4	E 2	Calm 0	E 3 E 4	E 2
20	SE	6·2	SE 4 ESE 5	Calm 0 SW 4	W 3 SW 3	ESE 3	Calm 0	E 3 E 3	E 2
21	SE	5·7	SE 5 E 4	SW 2 SW 5	SW 3 W 2	ESE 3	SE 4	ENE 3 E 2	E 1
22	SE	4·5	E 5 E 5	Calm 0 Calm 0	N 2 N 2	ESE 3	Calm 0	E 5 E 2	N 1
23	SE	4·5	E 5 E 4	NE 2 SW 3	W 3 N 2	E by N 3	SE 2	E 4 E 2	N 1
24	SSE	3·6	E 4 SE 4	NE 2 SW 5	W 3 SW 3	ENE 3	Calm 0	E 2 E 2	N 3
25	Calm	1·3	SE 4 E 4	NE 2 S 4	Calm 0 W 2	E by S 4	Calm 0	E 3 ENE 3	N 3
26	Calm	1·0	SE 5 SE 4	NE 1 SW 2	SW 3 N 2	E by S 3	Calm 0	E 3 E 2	N 3
27	Calm	2·3	SE 5 SE 4	E 1 S 3	W 3 S 2	E by S 3	SE 2	E 3 E 2	E 1
28	SE	4·2	SE 5 E 4	ENE 1 SW 3	W 5 SW 3	E by S 2	SE 4	ENE 3 E 2	Calm 0
29	SE	5·0	SE 5 E 5	E 2 SW 3	W 2 SW 3	E by S 2	Calm 0	E 2 ENE 2	Calm 0
30	SE	3·3	SE 4 E 4	ENE 2 SW 3	W 3 W 2	ESE 2	SE 4	E 3 E 2	Calm 0
31	SE	3·6	SE 5 E 4	E 1 W 3	SW 3 W 2	E 2	Calm 0	E 2 E 3	N 2
Mean	..	5·4	4·7 4·2	0·9 2·8	2·6 2·6	2·8	1·4	2·9 2·7	1·5
§Resultant	135° (89)	..	120° (92)	255° (11)	270° (60)	85° (92)	130° (37)	90° (98)	45° (46)
§Normal	142° (92)	7·3	105° (75)	22° (9)	265° (35)	71° (78)	322° (14)	88° (27)	89° (51)

†† Mean velocity of the South-East Trade Wind at 632 metres.
§ Direction and "Constancy." For explanation *see* Introduction.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—JANUARY 1918.

‡‡ *Spitsbergen.*—Icefjord was covered with ice. Firm ice in Bell Sound did not reach further out than to Aksel Island.

‡‡ *Iceland.*—At the beginning of the month polar ice was lying along the north coast, but the east route was almost free. By the 18th the north coast was blocked with ice and by the 21st the east coast as far as Gerpir. Ice was visible on 31 days and heavy on 14 days, the normal duration of average ice conditions being 5 days.

‡‡ *Denmark Strait.*—From Angmagsalik no open water was visible seawards and only a few icebergs were seen. Along the coast was a landwater 4 to 8 miles wide.

‡‡ *Davis Strait.*—At Cape Farewell the Storis formed a belt 20 miles wide, which also reached to Fredrikshaab. By the 11th all the fjords and bays were covered with winter ice and by the middle of the month only a narrow stream of water was left between the west and winter ice, from Disko Bay to Sukkertoppen.

‡‡ *Isforholdene i de Arktiske Have*, 1918, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, FEBRUARY 1918

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF FEBRUARY 1918 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE

Between Latitude 80° N. and 70° N. FEBRUARY—ZONE 1.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
105	Barrow	71 23	156 17	6·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
123	Inglefield Bay	77 20	67 30	?	998·3	..	− 7·5	..	271·1	28th	..	234·0	20th	..	*245·3*	..	2	..
124																		
125	Upernivik	72 47	W56 7	18·9	996·3	998·9	−10·3	255·7	279·3	27th	244·1	235·0	3rd	249·9	*249·6*	−0·2	9	− 4
139	Spitsbergen (GreenHarbour)	78 2	E 14 14	11·4	1001·9	1003·4	− 6·0	..	274·8	18th	247·1	229·9	6th	..	253·6	+2·3	85	+ 52
140																		
141	Gjesvaer	71 6	25 22	6·5	1003·4	1004·2	0·0	..	278·3	16th	265·7	259·0	11th	..	*268·6*	0·0	66	+ 12
142	Mehavn	71 1	27 47	6·4	1004·2	1005·0	+ 3·0	..	278·2	16th	264·4	258·0	11th	..	*267·6*	+0·3	29	− 30
143	Vardö	70 22	31 8	10·0	1005·8	1007·1	+ 1·1	..	275·8	4th	264·4	254·8	24th	..	*267·2*	+0·3	56	− 15
147	Malye Karmakouly	72 23	52 43	14·8	1012·0	1014·0	+ 5·7	..	..	..	..	..	..	..	..	..	..	..
148	Waigatz	70 24	58 47	11·2	1011·9	1013·4	+ 3·1	?256·2	?271·0	17th	249·7	237·3	2nd	?253·0	*253·9*	..	2	..
157	Maudhavn	77 33 N.	105 40 E.	2·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..

Between Latitude 70° N. and 60° N. FEBRUARY—ZONE 2.

202	Gambel	63 51	171 35	6·1	..	..	..	259·9	273·6	17th, 19th	254·0	246·3	24th, 27th	257·0	..	..	..	..
203	Nome	64 30	165 24	6·7	..	1009·5	− 2·7	259·2	274·1	20th	252·7	238·6	5th, 28th	255·9	*255·7*	−2·3	40	+ 15
204	Candle	65 55	161 57	2·4	..	..	..	253·9	274·7	20th	244·3	229·7	6th	249·1	..	..	..	..
205	Tanana	65 10	152 6	67·1	..	1011·8	− 6·1	256·3	274·1	19th	244·9	229·1	8th	250·6	*250·3*	−1·6	28	+ 5
206	Rampart	65 30	150 15	122	..	..	..	257·0	276·3	19th	247·1	230·8	8th	252·1	..	..	25	+ 8
207	Valdez	61 7	146 16	8·2	..	1006·1	− 3·9	269·0	274·1	18th, 21st	259·3	248·6	27th	264·2	*264·1*	−2·7	51	− 76
208	Eagle	64 46	141 12	254	..	1013·2	− 4·3	254·9	271·9	21st	244·3	223·6	7th	249·6	..	−2·8	11	0
209	Dawson	64 4	139 20	328	972·2	1016·9	− 3·1	250·8	267·4	25th	241·3	227·4	7th	246·1	..	−2·5	32	+ 14
210	Carcross	60 11	134 34	662	..	..	..	261·2	277·4	22nd	249·0	234·1	15th, 16th	255·1	..	−2·5	21	− 4
211	Fort Good Hope	66 25	128 53	65·2	1009·0	1018·2	..	251·9	276·3	21st	238·6	219·7	8th	245·2	..	..	13	+ 3
212	Fort Simpson	61 52	121 35	129	1000·7	1018·8	..	252·4	273·6	22nd	241·3	230·2	17th	246·9	..	+1·6	19	+ 5
213	Hay River	60 51	115 20	161	994·4	1016·8	..	..	..	..	240·2	224·1	19th	..	‡*246·6*	..	12	..
225	Jacobshavn	69 13	51 2	12·6	995·0	996·7	−11·2	..	..	..	246·4	237·5	1st	..	*252·6*	−1·3	4	− 3
226	Godthaab	64 11	51 43	9·0	990·3	991·5	−10·1	263·2	280·2	27th	256·5	247·4	22nd, 23rd	259·9	*260·3*	−2·8	0	− 48
227	Ivigtut	61 12	48 10	5·0	992·0	992·7	− 7·9	..	..	..	258·7	246·6	21st	..	*263·0*	−2·6	60	− 8
229	Angmagsalik	65 37	37 33	31·7	987·0	991·1	−12·5	264·4	273·8	28th	255·4	243·7	18th	259·9	*260·0*	−2·7	50	+ 7
231	Stykkisholm	65 5	22 46	11·3	989·9	991·4	−10·5	273·6	279·5	13th	263·7	253·5	7th	268·7	*268·8*	−1·5	102	+ 38
232	Vestmanno	63 26	20 15	7·7	987·9	988·9	−12·6	277·8	281·3	13th	272·2	261·4	28th	275·0	*274·9*	+0·6	207	+ 93
233	Grimsey	66 33	17 58	22	..	..	..	271·7	278·4	13th	264·4	253·6	6th	268·1	*268·4*	−1·7	..	..
233*a*	Akureyri	65 40	18 4	6·8	992·3	993·2	−10·9	..	..	..	..	..	..	..	..	..	..	..
234	Berufjord	64 40	14 19	18·0	991·0	993·2	−10·3	275·4	280·2	13th	268·6	259·1	28th	272·0	*272·2*	+0·4	211	+115
235	Thorshavn	62 3	6 45	26·3	998·4	1001·6	− 3·6	279·3	283·0	15th	275·0	266·2	28th	277·1	*277·2*	+1·1	147	+ 8
236	Lerwick	60 9	W 1 8	18·0	1005·9	1008·1	+ 0·8	279·3	281·9	22, 23, 25	276·1	271·9	28th	277·7	*278·2*	+1·2	120	+ 40
237	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1007·9	1013·4	+ 2·0	..	281·9	1st	273·9	270·0	28th	..	*275·7*	+1·6	156	+ 23
238	Christiansund	63 7	7 45	17·8	1006·7	1008·9	− 0·1	..	283·7	1st	273·9	270·7	22nd	..	*276·6*	+2·4	95	+ 10
239	Trondhjem	63 26	10 25	39·5	1005·4	1010·4	+ 0·5	..	280·3	1st	269·2	263·9	22nd	..	*272·1*	+1·7	48	− 42
240	Bodö	67 17	14 24	22·4	1003·4	1006·2	− 1·0	..	282·4	2nd	269·4	260·8	9th	..	*272·3*	+2·0	54	− 27
241	Haparanda	65 50	24 9	9·2	1009·9	1011·1	− 0·4	266·6	279·0	1st	259·1	247·0	9th	262·9	*263·5*	+2·5	22	− 6
242	Helsingfors	60 10	24 57	11·7	1014·2	1015·7	+ 1·5	270·2	274·4	27th	263·9	250·6	23rd	267·1	*267·2*	+0·9	50	+ 13
242*a*	Kuopio	62 54	27 40	90·3	1002·0	1013·8	+ 0·3	267·6	279·2	1st	259·9	246·7	12th	263·7	*264·4*	+0·9	31	− 5
243	Kola	68 53	33 1	6·7	1009·0	1009·9	+ 2·8	265·7	274·4	5th	254·7	238·9	11th	260·2	*260·8*	−0·6	19	+ 3
244	Petrozavodsk	61 47	34 23	38·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
245	Arkhangelsk	64 35	40 36	6·2	1013·8	1014·6	+ 3·7	264·7	274·0	7th	256·3	237·2	12th	260·5	*261·0*	+0·7	10	− 8
246	Mezen	65 50	44 16	12·6	1012·4	1014·1	+ 3·2	262·5	274·0	7th	254·9	242·9	14th	258·7	*258·8*	−0·6	14	+ 7
247	Oust-Tsylma	65 25	52 14	? 70	1007·5	1017·0	+ 0·8	258·8	273·4	7th	250·4	229·1	4th	254·6	*254·7*	−2·9	16	..
248	Tcherdyn	60 24	56 31	?177	996·4	1020·2	+ 2·3	260·5	268·0	8th	251·6	230·7	5th	256·0	*256·0*	−2·9	28	+ 3
249	Berezov	63 56	65 4	39·9	1016·4	1021·9	+ 5·5	256·1	268·5	8th	247·1	227·8	3rd	251·6	*251·7*	−2·2	16	+ 6
250	Obdorsk	66 31	66 35	23·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
251	Sourgout	61 15	73 24	? 40	1014·6	1020·1	+ 0·7	..	267·6	9th	246·9	217·8	2nd	..	*252·8*	−0·4	13	+ 3
252																		
253	Doudinka	69 23	86 4	20	1013·9	1016·6	− 1·3	..	263·4	19th	242·6	224·2	10th	..	*246·9*	..	5	..
254	Touroukhansk	65 47	87 57	45	1016·3	1022·5	+ 2·1	..	267·4	15th	245·3	220·9	4th	..	*250·4*	+0·8	20	+ 10
262	Iakoutsk	62 1	129 43	108	1007·2	1023·2	− 5·4	..	255·4	20th	228·1	219·9	15th	..	*234·5*	−1·8	7	+ 2
263	Verkhoiansk	67 33	133 23	100	1000·8	1016·0	− 6·8	..	248·5	9th	220·2	213·1	2nd	..	*226·1*	−2·5	0	− 3
271	Markovo-sur-Anadyr	64 45	170 50	25·9	1007·9	1011·4	− 7·1	254·0	262·5	17th, 18th	244·9	231·4	27th	249·5	‡*250·2*	+3·5	17	+ 11
272	Novo-Mariinskii Post	64 45 N.	177 33 E.	23·5	1007·8	1011·0	− 3·2	257·0	268·4	17th	249·3	238·4	28th	253·2	‡*253·5*	+2·3	14	+ 5
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 105 and 106. †Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 105 and 106.

FEBRUARY—ZONE 3.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
301	Atka	52 12	174 20	7·6	..	..	..	276·9	280·2	24th, 25th	272·7	267·4	27th	274·8	..	..	163	..
302	St. Paul Island	57 15	170 10	6·1	..	1005·4	+ 1·0	270·6	275·2	18th, 22nd	264·4	251·9	28th	267·5	..	..	19	..
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	1006·1	+ 3·2	275·6	280·2	22nd	270·6	?263·0	7th	273·1	..	+0·3	81	− 7
304																		
305	Dillingham	59 0	158 28	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
306	Kodiak (Radio)	57 46	152 22	6·1	..	1003·7	− 2·0	274·1	281·3	24th	268·5	262·4	sev. dates	271·3	..	..	50	− 73
309	Sitka	57 3	135 19	27·4	..	1004·7	− 6·1	276·6	279·7	9th	270·6	261·9	16th	273·6	*273·4*	−0·9	162	+ 35
310	Prince Rupert	54 18	130 18	51·8	999·6	1006·1	− 2·9	276·3	283·0	3rd	270·8	263·0	18th	273·6	*273·4*	−1·4	144	− 55
311	Barkerville	53 2	121 35	1274	862·4	1012·6	− 5·8	269·1	275·2	4, 9, 22	259·1	244·1	18th	264·1	*264·1*	−1·6	72	+ 6
312	Kamloops	50 42	120 29	385	970·9	1019·1	− 3·3	273·6	284·7	9th	265·2	254·1	20th, 21st	269·4	*269·7*	−0·5	11	− 9
313	Calgary	51 2	114 2	1045	889·1	1014·5	− 7·1	272·4	285·8	1st	256·3	239·7	20th	264·4	*263·7*	+1·1	15	+ 2
314	Fort Chipewyan	58 42	111 10	218	987·7	1017·5	..	253·0	276·9	22nd	241·9	228·6	3rd	247·4	*247·9*	−4·0	44	+ 26
315	Prince Albert	53 10	106 0	442	960·0	1017·6	− 3·8	263·6	279·7	22nd	249·1	229·7	3rd	256·3	*256·3*	+1·8	4	− 12
316	Qu'Appelle	50 30	103 47	645	935·0	1016·9	− 1·9	264·7	278·0	9th, 10th	252·4	234·1	20th	258·6	*258·2*	+2·3	15	− 5
317	Minnedosa	50 15	99 50	515	951·2	1018·2	− 3·6	263·0	275·2	9th, 23rd	248·6	234·1	19th	255·8	*264·4*	+0·5	18	+ 3
318	Berens River	52 18	97 23	216	..	..	..	254·4	273·0	24th	241·5	231·9	4th	247·9	..	−4·9	57	+ 45
318*a*	Port Nelson	57 4	92 36	14·9	1011·5	1013·5	− 2·5	246·3	260·8	23rd, 24th	236·3	226·3	1st	241·3	..	−2·3	5	− 8
319	Fort Hope	51 33	87 49	‡260	982·0	1014·5	..	256·9	271·9	24th	241·3	233·0	3, 4, 7	249·1	*248·8*	−3·5	22	+ 11
320	Moose Factory	51 14	80 30	9·1	1014·1	1015·4	− 3·2	255·8	276·9	25th	244·1	231·9	4th	249·9	..	−4·1	..	..
321	Fort George	53 50	79 5	97·5	..	..	..	251·1	269·1	24th	239·7	228·0	11th	245·4	*245·2*	..	..	..
322	Mistassini Post	50 15	73 55	383	..	..	..	258·2	273·6	26th	244·4	230·2	1st	251·3	..	−3·4	57	+ 2
323	Hebron	58 12	62 21	15·0	1007·1	1009·2	..	..	..	..	246·6	239·1	..	..	*248·9*	..	..	..
324	Natashquan	50 8	61 48	?	..	..	..	261·3	271·9	3rd, 22nd	247·6	233·6	27th	254·5	..	−2·6	85	+ 26
326	Belle Isle	51 53	55 23	133	989·7	1007·3	+ 1·2	263·0	272·4	26th, 27th	249·7	238·6	22nd	256·3	*256·7*	−4·6	11	− 41
334	Cahirciveen (Valencia Obs.)	51 56	10 15	13·7	1015·7	1017·4	+ 4·7	283·4	284·7	10th, 23rd	279·6	273·0	17th	281·5	281·8	+1·7	178	+ 48
335	Aberdeen	57 10	2 6	26·8	1008·9	1012·2	+ 1·9	280·7	288·0	23rd	276·6	273·6	28th	278·7	278·5	+2·2	33	− 32
336	Greenwich	51 28	W 0 0	46·3	1017·1	1022·8	+ 7·4	282·6	288·0	23rd	276·3	266·9	18th	279·4	279·4	+2·1	25	− 16
337	Uccle	50 48	E 4 22	100	1011·6	1024·2	+ 7·6	280·4	285·6	23rd	274·6	265·9	17th	277·5	277·7	+2·1	51	− 7
338	De Bilt	52 6	5 11	3·0	1022·9	1023·3	+ 7·0	280·2	285·4	24th	273·9	265·7	17th	277·1	277·0	+2·0	48	− 7
338*a*	Hamburg	53 33	9 58	26·0	1019·4	1022·6	+ 7·5	278·1	282·5	8th, 10th	273·4	266·8	17th	275·7	*276·5*	+1·4	72	+ 20
339	Copenhagen	55 41	12 36	5·0	1019·5	1020·1	+ 6·4	275·4	279·4	8th	272·0	266·1	22nd	273·7	*274·0*	+0·7	33	0
340	Potsdam	52 23	13 4	84·9	1013·0	1023·8	+ 7·7	277·7	283·4	9th	271·7	263·9	19th	274·7	274·4	+0·9	39	+ 6
340*a*	Upsala	59 51	17 38	24	1012·9	1015·9	+ 2·7	273·1	278·4	24th	267·5	257·5	22nd	270·3	270·4	+2·0	24	+ 6
341	Warsaw	52 13	21 1	133	1006·7	1023·6	+ 6·1	274·1	281·5	9th	269·4	259·5	21st	271·7	271·8	+1·3	40	+ 13
342	Dorpat (Jurjev)	58 23	26 43	74·5	1007·9	1017·5	+ 3·4	270·7	276·2	3rd	264·8	255·4	23rd	267·8	267·9	+1·5	18	− 9
343	Petrograd	59 56	30 16	4·8	1015·5	1016·1	+ 1·3	269·5	275·4	27th	262·1	252·0	23rd	265·8	*266·1*	+1·6	37	+ 14
344	Kiev	50 27	30 30	183	999·4	1022·7	+ 3·7	272·5	278·6	28th	267·7	258·3	17th	270·1	*270·2*	+2·7	27	+ 1
344*a*	Moscow	55 50	37 33	167	997·6	1019·2	+ 0·6	269·3	275·3	28th	263·7	250·6	16th	266·5	*266·6*	+3·5	14	− 13
345	Saratov	51 32	46 3	59·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
346	Kazan	55 47	49 8	79·9	1011·1	1021·7	+ 1·5	265·8	274·3	10th	257·6	242·3	5th	261·7	*262·1*	+1·7	18	+ 3
347	Orenburg	51 45	55 6	109	1011·2	1026·0	+ 2·0	262·2	273·9	12th	252·3	236·2	2nd	257·2	*257·5*	−1·4	18	− 14
348	Perm	58 1	56 16	163	1000·7	1022·6	+ 3·1	262·1	270·2	13th	252·5	232·4	5th	257·3	*257·1*	−2·8	30	0
349	Ekaterinburg	56 49	60 38	281	985·1	1022·3	+ 0·4	262·9	270·4	20th	253·1	239·6	4th	258·0	*257·7*	−1·0	11	+ 3
350	Tobolsk	58 12	68 14	?108	1008·2	1022·8	− 0·4	261·4	270·8	14th	253·5	236·8	4th	257·4	*257·3*	0·0	11	− 3
351	Akmolinsk	51 12	71 23	?347	983·8	1030·2	+ 2·0	..	268·0	15th, 25th	250·2	238·0	6th	..	*254·9*	−1·1	..	..
352	Omsk	54 58	73 23	90	..	..	..	..	..	..	..	..	..	..	*254·7*	−0·6	2	− 8
353	Barnaoul	53 20	83 48	162	..	..	..	..	..	..	..	..	..	..	..	..	..	..
354	Tomsk	56 30	84 58	122	1011·8	1028·3	+ 0·9	..	271·1	27th	252·8	240·0	7th	..	*258·7*	+2·7	30	+ 9
355	Minousinsk	53 43	91 41	249	999·6	1033·1	+ 1·9	..	270·3	21st	250·1	237·9	25th	..	*256·0*	..	8	+ 4
356	Eniseisk	58 27	92 10	77·6	1016·8	1027·3	− 0·6	..	269·8	16th	252·6	235·8	7th	..	*258·0*	+3·6	14	+ 4
357	Irkutsk	52 16	104 19	467	970·2	1031·6	− 0·6	..	272·6	21st	251·0	239·0	8th	..	*257·4*	+2·1	13	+ 5
358	Kirensk	57 47	108 7	263	992·3	1027·5	− 3·2	..	269·7	1st	249·3	232·5	24th	..	*255·4*	+5·2	20	+ 5
359	Tchita	52 2	113 30	687	938·3	1027·1	− 4·5	..	269·3	17th	247·8	239·5	5th	..	*255·2*	+4·9	4	+ 2
360	Nertchinskii Zavod	51 19	119 37	626	944·8	1027·2	− 3·9	..	263·3	19th	245·7	240·8	14th	..	*250·9*	+1·9	4	+ 2
361	Tygan Ourkan	54 5	124 46	379	971·9	1022·4	..	260·4	267·5	18th	243·8	235·3	25th	252·1	*252·6*	..	5	..
362	Blagoveshchensk (Bureau Météor.)	50 16	127 30	142	1002·7	1021·8	− 2·1	262·5	268·7	7th	250·3	242·0	1st	256·4	*256·0*	+1·8	1	0
363	Paikanskii Sklad	50 11	130 7	?145	1001·6	1021·6	..	..	260·9	27th	241·0	233·6	16th	251·0	*250·4*	..	2	..
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	1012·4	1015·4	− 1·8	..	261·2	22nd	244·1	234·1	16th	..	*251·0*	−1·7	4	− 6
366	Okhotsk	59 21	143 12	6·0	1008·8	1009·6	− 9·2	253·5	261·4	28th	245·1	239·9	22nd	249·3	*249·3*	−2·3	0	− 2
367																		
368	Petropavlovsk (Radio)	53 0	158 39	13·5	998·0	999·7	− 4·0	269·8	274·0	1st	261·0	249·5	21st	265·4	*265·8*	..	24	..
369																		
371	Attu Island‡	52 56 N.	173 13 E.	4·9	..	..	..	275·1	277·4	26th, 28th	269·3	265·2	23rd	272·2	..	..	126	..
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 106 and 107. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 106.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

FEBRUARY—ZONE 4.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure. Mean at Level of Station.	Pressure. Mean at M.S.L.	Pressure. Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	70·1	1005·4	1014·1	− 1·8	279·7	284·1	3rd, 5th	274·7	269·1	18th	277·2	276·9	−0·1	98	+ 8
412	Portland, Oregon	45 32	122 41	46·6	1010·8	1016·2	− 1·8	281·4	288·0	5th	275·3	267·4	1st	278·3	*278·2*	0·0	172	+ 32
413	Macleod	49 44	113 24	953	..	..	..	271·2	285·2	10th	261·8	232·4	20th	266·5	*266·5*	+1·0	15	+ 1
414	Helena	46 34	112 4	1253	871·1	1017·9	− 2·0	274·0	288·6	10th	262·8	246·3	20th	268·4	*268·5*	+1·1	10	− 7
414*a*	Salt Lake City	40 46	111 54	1329	868·1	1019·3	+ 0·6	277·4	284·1	23rd	268·2	257·4	1st	272·8	*272·9*	−0·6	36	− 1
415	Cheyenne	41 8	104 48	1856	809·0	1016·2	− 1·2	278·4	291·9	10th	264·8	248·0	19th	271·6	*271·8*	+2·0	23	+ 9
416	North Platte	41 8	100 45	859	916·2	1018·9	− 0·5	279·4	295·8	23rd	263·3	245·8	1st	271·4	*270·6*	+1·7	7	− 6
416*a*	Bismarck	46 47	100 38	511	955·3	1018·9	− 2·2	269·1	285·2	10th	257·1	239·1	21st	263·1	*263·1*	+3·3	7	− 5
417	Winnipeg	49 53	97 7	232	987·1	1017·9	− 3·9	262·4	278·0	23rd	250·2	238·6	3rd, 20th	256·3	*255·9*	+1·4	15	− 6
418	Duluth	46 47	92 6	345	972·5	1015·9	− 3·1	266·3	279·1	24th	256·1	243·0	1st	261·2	*261·1*	+0·6	7	− 16
419	Port Arthur	48 27	89 12	196	990·2	1016·0	− 3·0	265·8	279·7	24th	253·0	240·8	20th	259·4	*258·9*	+0·2	17	− 1
420	Chicago	41 53	87 37	251	986·4	1017·6	− 1·2	274·8	289·1	14th	265·9	249·7	4th	270·3	*270·6*	+0·8	71	+ 16
421	Toronto	43 40	79 24	116	1001·7	1016·7	− 1·4	272·4	282·4	20th	261·9	244·1	5th	267·2	266·6	−0·1	103	+ 37
422	New York (Central Park)	40 46	73 58	30·2	1014·6	1018·4	+ 0·8	276·8	288·0	20th	267·4	251·9	5th	272·1	272·3	+0·1	63	− 27
423	St. John, N.B.	45 17	66 4	36·2	1009·2	1013·9	− 0·1	270·2	281·9	25th	259·7	247·4	6th	264·9	264·4	−1·4	117	+ 18
424	S.W. Point, Anticosti	49 24	63 33	9·1	1010·8	1012·0	+ 2·1	263·6	276·3	26th, 27th	255·8	246·3	2nd	259·7	*259·7*	−3·4	40	− 1
424*a*	Sable Island (Main Station)	43 57	60 6	7·6	1014·9	1015·9	+ 3·4	273·6	279·7	15, 20, 26	266·3	258·0	22nd	269·9	*269·9*	−1·3	102	− 19
425	Port aux Basques	47 35	59 10	9·1	1010·0	1011·2	+ 1·0	268·6	276·9	20th	260·8	251·3	22nd	264·7	*264·4*	−0·7	131	+ 37
426	St. John's, Newfoundland	47 34	52 42	38·1	1004·4	1009·3	+ 0·9	271·3	281·9	20th	262·4	254·1	4th	266·9	*267·2*	−1·3	116	− 13
435	Madrid	40 24	3 41	655	948·7	1026·8	+ 6·4	280·5	295·8	24th	272·9	268·8	18th	281·2	280·0	+1·5	0	− 32
436	Nantes	47 15	W 1 34	36·5	1022·0	1026·5	+ 8·2	283·5	287·0	1st, 10th	276·9	269·0	17, 18, 19	280·2	279·9	+1·4	28	− 27
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1020·5	1026·8	+ 8·4	282·2	285·7	8th, 23rd	274·2	266·9	17th	278·2	278·0	+1·4	17	− 16
438	Marseilles	43 18	5 23	75	..	1023·7	+ 7·3	286·6	294·8	24th	275·4	266·6	17th	281·0	*280·6*	+0·2	9	− 32
438*a*	Zürich	47 23	8 33	493	968·2	1029·2	+ 8·8	278·6	287·6	8th	270·5	264·0	17th	274·5	274·0	+0·2	33	− 23
439	Rome	41 54	12 27	45	1017·9	1023·2	+ 6·7	285·5	293·7	24th	275·8	272·8	4th	280·6	*280·1*	−0·9	8	− 56
440	Vienna	48 15	16 22	203	1000·9	1026·4	+ 7·4	277·5	285·5	11th	272·2	265·1	19th	274·9	274·7	+1·7	34	+ 1
440*a*	Buda-Pesth	47 31	19 2	130	1010·2	1026·4	+ 7·3	278·1	287·8	11th	271·7	264·4	19th	274·9	*274·5*	+1·5	19	− 11
441	Sofia	42 42	23 20	550	958·6	1026·1	+ 7·1	278·1	287·4	12th	269·3	263·0	18th	273·7	*273·3*	+0·2	27	− 2
442	Bucharest	44 25	26 5	82	1015·3	1025·8	+ 5·5	279·2	290·5	11th	270·0	262·3	17th	274·6	273·9	+1·5	8	− 19
443	Odessa (University)	46 26	30 46	42·8	1018·6	1024·0	+ 4·6	276·3	284·7	11th	270·4	260·8	17th	273·4	*273·0*	+2·4	3	− 18
444	Kharkov (University)	50 0	36 14	140	1004·6	1022·6	+ 1·9	271·4	276·9	24th	267·1	253·8	17th	269·2	*269·2*	+2·0	17	− 9
444*a*	Novorossiisk	44 44	37 49	37·1	1017·8	1022·4	+ 4·1	279·6	284·5	10th	272·0	261·1	17th	275·8	*275·6*	−0·6	58	− 11
445	Tiflis	41 43	44 48	404	974·0	1023·5	+ 1·7	280·5	285·1	16th	272·4	267·1	15th	276·4	*276·1*	+1·1	7	− 12
446	Astrakhan	46 21	48 2	−13·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
447	Fort Alexandrovsk	44 31	50 7	24·0	1019·8	1022·8	+ 0·8	275·6	282·6	22nd	268·0	260·3	7th	271·8	*271·7*	+2·0	1	− 7
448	Krasnovodsk	40 0	52 59	−17·2	1025·5	1023·4	+ 1·8	280·7	286·8	22nd	274·9	268·9	7th	277·8	*277·5*	+0·2	8	− 7
449	Aralskoe More	46 47	61 42	56	..	..	..	..	..	..	..	..	..	..	..	..	..	..
450	Tachkent	41 20	69 18	478	966·7	1025·5	+ 1·3	279·6	286·0	21st	269·2	257·7	4th, 5th	274·4	*273·9*	−0·4	56	+ 26
451	Narynskoe	41 26	76 2	?2015	796·4	..	..	..	..	..	254·2	244·6	4th	..	*260·3*	+2·0	3	..
452	Vernyi	43 16	76 53	841	923·8	1026·8	− 0·8	273·2	284·1	15th	263·4	250·7	5th	268·3	*267·7*	..	20	..
461	Mukden	41 48	123 23	43·8	1020·4	1026·1	− 0·3	273·3	281·9	23rd	259·9	252·5	27th	266·6	266·2	+2·9	7	+ 1
462	Joskin	40 40	129 11	4·0	1021·8	1022·3	+ 2·2	275·3	281·5	24th	264·5	257·0	18th	269·9	269·6	+1·1	2	− 14
463	Yuki	42 20	130 24	65·6	1014·2	1022·8	..	273·1	279·8	24th	264·0	259·2	17th	268·5	268·2	..	0	..
464	Vladivostok	43 7	131 55	128	1006·0	1022·9	+ 1·1	268·4	276·5	24th	259·2	251·5	18th	263·8	263·5	+0·5	9	0
465	Ochiai	47 20	142 44	6·6	1012·2	1013·1	− 0·1	267·7	274·7	9th	250·7	241·6	15th	259·2	260·3	+0·2	32	− 8
466	Nemuro	43 20	145 35	26·7	1011·6	1015·0	+ 2·3	272·3	277·9	25th	265·9	259·9	17th	269·1	269·2	+1·6	5	− 22
466*a*	Syana	45 14 N.	147 53 E.	39·3	1007·6	1012·6	+ 1·2	270·7	275·9	26th	264·6	259·5	28th	267·7	267·8	+1·7	19	− 31

Between Latitude 40° N. and 30° N.

FEBRUARY—ZONE 5 (Western Half).

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure. Mean at Level of Station.	Pressure. Mean at M.S.L.	Pressure. Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
511	San Francisco	37 48	122 26	47·2	1012·6	1018·3	− 0·8	287·4	292·4	10th	280·7	277·4	19th	284·0	*284·0*	+0·3	147	+ 56
512	San Luis Obispo	35 18	120 39	61·3	1012·0	1019·6	+ 0·6	289·7	300·8	10th	278·5	273·0	4th	284·1	*283·6*	−1·2	245	+147
513	San Diego	32 43	117 10	26·5	1015·3	1018·6	+ 1·0	289·7	296·3	8th	281·9	277·4	2nd	285·8	*285·6*	0·0	39	− 13
514	Modena	37 48	113 54	1670	832·9	1017·3	− 0·1	280·9	288·0	11th	264·8	252·4	1st	272·9	*273·4*	+0·7	25	− 3
515	Santa Fé	35 41	105 57	2138	786·0	1016·6	+ 0·7	280·8	287·4	23rd	269·4	259·7	1st	275·1	*275·2*	+2·2	29	+ 10
516	Denver	39 45	105 0	1613	834·6	1016·2	0·0	283·2	294·1	22nd	268·2	255·2	20th	275·7	*274·9*	+2·4	26	+ 13
517	Abilene	32 23	99 40	530	956·5	1018·6	+ 0·3	291·3	305·8	24th	276·2	260·2	1st	283·8	*283·2*	+3·1	3	− 22
518	Saint Louis	38 38	90 12	173	997·6	1018·6	− 1·1	280·3	294·1	19th	269·7	256·3	4th	275·0	*275·1*	+1·3	53	− 17
519	Mobile	30 41	88 2	17·4	1019·0	1021·0	+ 1·4	292·3	299·1	25th	284·1	275·2	4th	288·2	*288·1*	+3·3	85	− 50
520	Nashville	36 10	86 47	166	1001·0	1021·3	+ 1·1	285·9	298·6	28th	274·2	261·3	4th	280·1	*280·5*	+2·4	39	− 71
521	Charleston	32 47	79 56	14·6	1020·0	1021·7	+ 1·6	290·5	298·6	20th	281·3	270·2	5th	285·9	*285·4*	+1·5	33	− 51
522	Washington	38 54	77 3	34·1	1015·9	1020·3	+ 0·7	281·3	293·6	28th	270·0	254·1	5th	275·7	*275·0*	+0·6	21	− 63
523	Bermuda	32 18	64 46	46·0	1018·3	1023·8	+ 5·5	292·8	295·6	14th	287·6	281·9	6th	290·2	*289·9*	+0·4	34	− 76
524	Santa Cruz (Flores)	39 27	31 9	28	1024·4	1027·5	+ 6·4	289·1	291·2	18th	283·8	280·3	21st	286·4	*286·5*	−0·1	112	− 68
530	Horta	38 32	28 38	65	1020·6	1027·8	+ 6·7	289·9	290·6	23rd	285·4	281·0	1st	287·7	286·5	−0·9	37	− 63
531	Ponta Delgada	37 44	25 40	22	1026·3	1028·2	+ 8·0	288·5	290·3	24th	284·5	282·0	1st	286·5	286·6	−0·7	..	..
532	Faja da Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	84	− 40
532*a*	Madeira (Funchal)	32 37	16 54	25	1024·2	1027·2	+ 6·4	290·7	293·1	1st	285·0	283·1	21st, 24th	287·8	*287·7*	−0·7	10	− 69
533	Lisbon	38 43	9 9	95	1014·7	1026·4	+ 6·7	288·9	293·7	25th	282·3	279·3	27th	285·6	*285·2*	+1·0	39	− 52
534	Gibraltar	36 6	5 21	16·2	1024·0	1025·9	+ 5·9	288·3	292·4	25th	283·2	280·2	21, 25, 26	285·8	*285·9*	−0·5	29	− 78
535	Melilla	35 18	2 59	8	‡1025·2	‡1026·2	+ 5·9	290·1	292·6	17th	281·9	278·4	22nd	286·0	*286·4*	−2·1	22	− 46
536		N.	W.															
536*a*		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.

FEBRUARY—ZONE 5 (Eastern Half). Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Deta.	Temperature. Mean of A and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Palma	39 34	2 39	23	1022·1	1024·9	+ 7·2	286·9	290·6	24th	277·4	274·0	18th, 19th	282·1	..	−2·2	18	− 17
538	Algiers (Bouzaréah)	36 48	3 2	343	984·2	1025·5	+ 7·0	285·5	290·2	25th	280·3	277·8	27th	282·9	282·3	−0·9	40	− 2
539	Tunis	36 48	10 10	21	1021·7	1024·4	+ 8·3	287·5	291·2	25th	278·2	273·8	19th	282·9	*282·5*	−0·9	14	− 30
539*a*	Malta	35 54	14 31	56·4	..	1023·2	+ 5·8	287·2	289·6	25th	283·1	280·6	18th	285·1	*284·6*	−0·8	27	− 24
540	Riposto	37 41	15 14	14·2	..	1024·5	+ 7·4	286·7	289·8	25th	281·0	278·4	18th	283·9	*283·6*	−1·0	25	− 5
541	Athens	37 58	23 43	107	1008·3	1021·5	+ 4·9	285·9	292·2	13th	279·1	276·9	18th	282·5	282·3	+0·3	38	+ 7
542	Alexandria	31 12	29 53	32·0	1015·0	1018·8	+ 1·4	291·5	295·3	17th	284·5	282·1	25th, 26th	288·0	*287·9*	+0·4	31	+ 7
543	Cairo (Helwan)	29 52	31 20	116	1004·7	1018·7	+ 1·8	292·6	302·4	16th	282·1	278·4	7th	287·3	286·7	−0·5	9	+ 4
544	Nicosia (P.W.D.)	35 9	33 22	159	998·6	1017·6	+ 1·8	287·7	291·3	19th	278·3	274·1	7th	283·0	..	−0·3	88	+ 45
544*a*	Beirut	33 54	35 28	33·7	..	1019·0	+ 3·4	289·0	291·9	3, 4, 17	283·3	278·5	9th	286·2	*286·0*	−0·7	159	+ 7
545	Baghdad	33 21	44 28	38·1	..	1019·0	− 0·5	290·1	295·2	18th	278·9	275·2	3rd, 4th	284·5	*283·8*	−0·9	37	+ 6
546	Busrah	30 31	47 53	7·6	1019·9	1021·1	+ 0·6	292·1	299·7	19th	280·9	275·1	3rd	286·5	..	−0·5	85	+ 6
546*a*	Lenkoran	38 46	48 51	−19·3	..	..	..	..	..	..	..	..	..	..	..	..	..	..
547	Teheran	35 41	51 25	1220	..	..	..	282·8	287·4	18th	273·6	269·3	3rd	278·2	*278·1*	−0·1	67	+ 41
548	Meshed	36 16	59 35	946	..	..	..	283·1	290·2	20th	270·9	265·2	3rd	277·0	..	+0·9	35	+ 11
549	Seistan	31 0	61 30	?	..	..	..	292·8	299·4	28th	276·8	270·2	4th	284·8	..	..	1	..
550	Quetta	30 11	67 3	1677	835·8	..	+ 1·8	286·7	296·1	28th	272·2	259·5	3rd	279·4	*279·3*	+0·8	45	− 4
551	Peshawar	34 2	71 37	339	979·9	1020·6	+ 1·4	294·1	297·3	22nd	279·0	274·1	8th	286·5	*285·9*	+1·3	5	− 35
551*a*	Lahore	31 34	74 20	214	992·1	1018·0	+ 1·2	296·4	299·2	19th, 23rd	280·7	274·5	6th	288·5	*288·2*	+1·2	3	− 27
552	Simla	31 7	77 8	2205	782·2	..	+ 2·3	282·9	286·3	28th	276·6	271·9	5th	279·7	*279·6*	+1·8	0	− 7
552*a*	Leh	34 10	77 42	3503	664·5	..	+ 1·0	276·1	282·4	26th	262·4	256·6	6th	269·2	*268·2*	+2·3	9	+ 1
559	Hankow	30 35	114 17	37·0	1022·6	1027·2	+ 1·7	283·6	299·1	25th	275·0	270·0	28th	279·3	*279·1*	+0·5	38	+ 1
560	Tientsin	39 10	117 10	5·0	1027·0	1027·6	+ 1·2	277·2	283·2	23rd	268·5	264·6	1st	272·9	*272·5*	+1·2	0	− 3
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1025·5	+ 0·6	284·8	298·1	25th	274·3	268·7	18th	279·6	278·4	+1·3	19	− 39
562	Jinsen (Chemulpo)	37 29	126 37	67·6	1016·0	1024·7	+ 1·6	277·6	285·9	25th	270·0	263·6	18th	279·4	278·9	+0·1	35	− 4
562*a*	Nagasaki	32 44	129 52	133	1006·8	1023·3	+ 2·6	283·3	291·1	26th	275·5	270·8	18th	273·8	273·3	+2·1	22	+ 4
563	Kioto	35 1	135 44	42·9	1016·9	1022·3	+ 3·7	282·5	291·7	26th	271·0	265·9	19th	276·7	276·1	+0·4	49	− 12
564	Tokio	35 41	139 45	21·3	1017·2	1019·8	+ 3·7	281·8	290·1	26th	272·1	268·2	9th, 19th	277·0	276·6	−0·1	65	− 3
565	Kanayama	37 53	140 46	24·6	1016·4	1019·5	+ 3·9	278·7	290·1	26th	268·7	259·9	9th	273·7	273·6	−0·4	33	− 34
566	Miyako	39 38	141 59	30·4	1014·7	1018·5	+ 3·9	280·6	288·0	26th	268·3	264·1	3rd	274·5	273·4	+0·9	10	− 56

FEBRUARY—ZONE 6. Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Deta.	Temperature. Mean of A and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
605	Honolulu	21 19	157 52	11·6	1014·7	1016·0	− 1·4	297·5	299·7	..	292·1	289·7	..	294·8	*294·7*	+0·2	80	− 24
614	La Paz	24 10	110 20	12	..	..	..	..	..	..	..	..	..	..	..	..	..	..
615	Chihuahua	28 38	106 4	1423	860·4	1016·8	..	294·1	301·0	24th	276·9	268·7	11th	285·5	..	..	0	..
616	Leon	21 7	101 41	1809	822·9	1013·4	+ 1·7	297·9	300·8	26th	282·2	278·0	5th	290·0	*289·6*	+1·3	1	− 7
616*a*	Monterry	25 40	100 18	528	957·0	1017·4	..	296·4	309·8	25th	284·2	274·4	2nd	290·3	*290·5*	..	1	..
617	Tulancingo	20 5	98 22	2180	..	..	..	..	295·0	..	..	271·0	..	..	287·0	+0·8	45	+ 37
618	Galveston	29 18	94 50	16·5	1018·1	1020·0	+ 1·2	289·9	296·3	25th	283·9	272·4	2nd	286·9	*286·4*	+0·3	28	− 43
618*a*	New Orleans	29 58	90 4	16·2	..	1020·6	+ 1·6	294·4	301·3	28th	286·1	277·4	4th	290·2	*290·0*	+3·5	56	− 50
619	Merida, Yuc	20 58	89 38	22	1014·9	1017·4	..	303·0	306·0	19th	292·7	287·6	6th	297·8	*297·1*	..	0	..
620	Havana	23 8	82 21	24·3	..	1020·0	+ 2·1	299·5	302·6	12th	292·4	288·8	6th, 25th	295·9	*295·7*	+1·1	0	− 47
620*a*	Key West	24 33	81 48	6·7	1019·5	1020·0	+ 1·4	298·7	300·2	3rd	293·0	285·8	5th	295·8	*295·1*	+0·5	3	− 36
621	Nassau, Bahamas	25 5	77 21	3·7	..	1021·4	+ 2·4	297·4	299·1	2, 17, 28	292·8	289·7	5th	295·1	*295·0*	+0·1	22	− 19
622	Watling Island	24 6	74 26	33·5	1017·1	1021·0	+ 2·7	..	300·2	4th	..	293·0	5th	..	*297·3*	..	..	..
633	Izaña	28 19	16 30	2367	769·7	..	..	277·7	286·1	2nd	271·5	267·8	20th	274·6	*274·3*	..	31	..
634	La Laguna	28 28	16 20	547	..	..	..	289·4	295·0	3rd	281·0	277·5	23rd	285·2	*284·6*	−0·5	37	− 36
637	Insalah	27 1	W 2 21	?280	959·4	1023·8	+ 5·1	295·4	299·0	27th	278·4	276·0	18th, 23rd	286·9	*288·3*	−1·3	0	..
641	Siwa	29 12	E 25 29	−23	..	..	..	..	..	..	..	..	..	..	..	..	..	..
642					..	..	..	..	..	..	..	..	..	..	..	..	..	..
643	Aswan	24 2	32 53	99·6	1004·7	1016·6	+ 0·1	299·1	310·5	15th	..	..	..	..	‡*290·3*	+0·3	..	..
644	Tor	28 14	33 37	1·9	1017·0	1017·2	+ 1·2	293·3	299·0	21st	282·6	278·1	13th	287·9	*287·5*	−0·6	..	..
647	Bushire	28 59	50 53	4·3	1018·0	1018·5	+ 1·9	291·7	300·3	19th	284·5	280·9	4th	288·1	*287·8*	−0·1	29	− 20
648	Jask	25 44	57 47	4·0	1017·5	1018·0	+ 1·8	297·8	300·5	28th	289·0	285·4	5th	293·4	*293·1*	+0·2	0	− 23
649	Robat	29 45	60 55	?	911·3	..	..	292·9	298·6	28th	276·4	267·6	4th	284·7	..	..	0	− 21
649*a*	Karachi	24 53	66 57	4·0	1017·2	1017·7	+ 1·4	297·9	301·9	19th	289·7	283·4	5th	293·8	*293·5*	−0·2	0	− 11
650	Jacobabad	28 17	68 29	56·7	1011·0	1017·7	+ 1·4	300·4	302·9	17th. 27th	284·1	274·7	6th	292·2	*291·8*	+2·0	0	− 9
651	Jaipur	26 56	75 52	436	967·3	1017·9	+ 1·2	300·5	304·1	27th	284·8	278·6	8th	292·7	*292·3*	+1·4	0	− 8
652	Nagpur	21 8	79 5	310	980·5	1016·1	+ 1·1	305·2	308·3	28th	288·2	284·3	1st	296·7	*296·5*	+0·3	0	− 9
653	Allahabad	25 25	81 51	94·1	1005·5	1016·6	+ 0·9	300·7	305·1	26th	283·9	277·6	7th	292·3	*291·7*	+0·6	0	− 14
653*a*	Darjiling	27 3	88 18	2266	775·6	..	+ 2·3	283·4	286·9	22nd	276·0	273·0	9th	279·7	*279·6*	+1·2	9	− 19
654	Calcutta	22 36	88 23	6·4	1014·6	1015·4	+ 0·5	302·2	306·3	27th	287·8	282·8	1st	295·0	*294·7*	+0·4	0	− 29
655	Gauhati	26 8	91 41	59·7	1009·4	1016·5	+ 0·2	298·8	302·1	23rd	284·1	279·7	8th	291·5	*290·6*	+0·3	20	− 16
655*m*	Cherrapunji	25 15	91 42	1314	870·2	..	+ 0·4	290·2	292·8	27th	281·5	278·0	8th	285·9	*285·2*	+0·6	6	− 73
655*a*	Akyab	20 11	92 56	6·1	1014·1	1014·8	+ 0·7	301·3	306·6	23rd	287·0	283·6	1st, 11th	294·2	*294·0*	−1·6	0	− 15
656	Mandalay	21 59	96 0	76·2	1006·2	1015·1	+ 1·0	305·4	308·3	28th	288·1	284·9	2nd	296·7	*296·0*	−0·2	0	− 13
656*a*	Tengyueh	24 59	98 35	1633	834·7	..	..	289·8	294·1	28th	274·7	271·9	8th	282·3	*282·2*	..	6	..
657	Phu Lien	20 48	106 37	115	1004·9	1018·7	..	292·7	298·0	27th	286·6	283·0	16th	289·7	289·0	−0·8	4	− 23
658	Moncay	21 31	107 51	9	1018·6	1019·7	+ 1·8	291·1	295·3	26th, 27th	286·2	283·0	19th	288·7	*289·2*	−0·8	20	− 23
659	Hong Kong	22 18	114 10	33·2	..	1019·9	+ 2·5	292·3	297·9	27th	285·1	280·4	1st	288·7	288·1	+0·3	0	− 41
660	Amoy	24 27	118 4	ca.3	1022·0	1022·4	+ 1·2	290·7	296·3	26th, 27th	283·7	279·1	19th	287·2	*287·3*	+0·7	13	− 55
661	Taihoku, Formosa	25 2	121 31	9·3	1020·3	1021·4	+ 1·4	292·8	300·1	26th	283·7	275·7	19th	288·2	287·7	+0·1	36	− 88
661*a*	Santo Domingo	20 28	121 59	18·7	..	..	..	296·8	300·0	27th	291·4	288·4	18, 19, 20	294·1	*293·9*	−1·6	112	− 6
662	Naha	26 13	127 41	10·5	1019·4	1020·7	+ 1·7	292·7	297·2	27th	284·1	277·9	20th	288·4	288·2	−0·8	57	− 78
665	Titizima (Bonin Islands)	27 5	142 11	4·0	1018·1	1018·6	+ 2·0	292·1	296·8	28th	285·6	280·0	14th	288·9	288·9	−1·6	131	+ 43
		° N.	° E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a	a.	a.	mm.	mm.

* For formulæ employed *see* pages 109 and 110. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 110.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N. FEBRUARY—ZONE 7.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Colima	19 12	103 45	509	957·4	1012·7	..	305·2	307·5	22nd	290·7	289·0	3rd	297·9	*298·0*	..	0	..
716	Morelia	19 42	101 7	1923	816·0	1010·2	..	296·8	299·5	26th	281·9	278·8	5th	289·3	*289·0*	..	11	..
717	Mexico, Tacubaya	19 24	99 12	2309	775·9	1014·0	+ 1·1	296·9	300·8	26th	278·2	275·6	26th	287·6	287·0	+0·4	12	+ 5
718	Oaxaca	17 4	96 42	1563	847·8	1014·0	+ 1·1	300·5	302·8	19, 20, 26	282·9	280·5	5th	291·7	*291·4*	+0·3	3	− 5
718*a*	Salina Cruz	16 12	95 12	56	1007·0	1011·3	..	302·8	306·0	17th	296·1	293·0	6th	299·4	*298·9*	..	0	..
719	San Salvador	13 42	89 13	‡665	938·4	1013·0	+ 1·4	307·4	309·8	6th	288·7	284·0	25th	298·1	*295·7*	−0·1	35	+ 31
720	Belize	17 29	88 12	5·2	1016·5	1017·1	+ 1·9	300·6	301·6	16th	294·7	290·8	5th, 23rd	297·6	*297·2*	−0·4	119	+ 44
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1015·6	+ 0·3	302·2	304·5	15th	292·6	290·3	23rd	297·4	*297·0*	0·0	110	+ 71
722	Port au Prince	18 33	72 23	37·4	1012·2	1016·5	+ 0·5	303·9	306·0	3rd	293·6	292·2	11th	298·7	*298·1*	0·0	31	− 26
723	Caracas	10 30	66 55	‡1010	901·6	..	+ 0·5	290·7	299·0	8th, 17th	286·1	283·6	10th	291·4	*291·3*	−0·1	14	+ 3
724	Montserrat	16 41	62 9	39·6	1011·8	1016·3	+ 0·1	301·4	303·6	24th, 25th	293·8	290·8	24th	297·6	*297·1*	..	162	..
724*a*	Grenada (Richmond Hill)	12 5	61 46	155	995·5	1013·5	− 0·1	300·7	301·9	10th, 11th	294·7	293·6	1, 22, 25	297·7	*297·3*	−0·3	85	+ 13
725	Barbados	13 8	59 36	55·2	..	1014·8	− 0·1	301·3	303·4	6th	293·8	291·2	11th	297·6	*297·1*	+0·2	39	+ 4
731	St. Vincent, C. Verde Is.	16 54	25 4	11	1014·9	1016·2	+ 1·0	296·0	298·0	4th	292·0	291·0	sev. dates	294·0	*294·7*	−0·3	2	− 3
732	San Tiago, C. Verde Is.	14 54	23 31	?40	1011·3	1016·0	+ 1·1	297·2	299·0	3rd, 4th	292·6	291·8	17th	294·9	*295·0*	−0·3	0	− 2
733	Bathurst	13 24	16 36	1·5	..	1013·7	+ 0·7	..	..	..	..	..	..	..	..	..	0	0
734	M'Carthy Island	13 42	14 46	1·1	..	..	..	..	..	..	..	..	..	..	..	..	0	0
735	Ségou	13 34	6 17	300	..	..	..	..	..	..	..	..	..	..	..	..	0	0
736	Timbuctoo	16 43	W 3 2	270	..	..	..	301·5	308·1	28th	285·5	281·5	6th	293·5	*294·0*	−3·0	0	..
737	Sokoto	13 2	E 5 14	353	..	..	..	308·0	314·1	18th	289·5	283·6	5th	298·8	*298·6*	−0·1	0	0
738	Kaduna Capital	10 32	7 25	637	943·7	1015·2	+ 0·5	304·9	309·1	17th	290·0	284·7	4th	297·5	*297·4*	−0·4	0	− 1
739	Katagum	12 17	10 22	30·7	..	..	..	306·9	313·6	16, 17, 18	285·8	?278·6	6th	296·4	*296·2*	−1·3	0	− 1
740	Maiduguri	11 47	13 11	361	..	..	..	308·0	315·2	18th	288·5	283·6	1, 6, 10	298·3	*298·2*	−0·6	0	0
741	El Fasher	13 32	25 18	730	..	..	..	304·3	312·5	21st	284·7	277·5	10th	294·5	..	..	0	..
743	El Obeid	13 11	30 14	569	947·1	1011·6	+ 0·1	302·8	304·6	19, 21, 28	283·9	277·5	12th	293·3	*293·5*	−0·9	0	0
743*a*	Khartoum	15 37	32 33	390	967·1	1011·4	+ 0·3	304·4	312·9	20th	288·5	280·7	11th	296·5	*296·5*	−0·6	0	− 6
744	Port Sudan	19 37	37 13	5·9	1013·8	1014·5	+ 0·8	300·0	303·0	18, 20, 21	292·0	285·0	8th	296·0	*295·6*	−0·2	0	− 8
745	Berbera, Somaliland	10 22	45 2	9·2	1016·5	1017·6	+ 2·3	301·0	302·4	12, 24, 25	292·8	290·8	20th, 21st	296·9	*297·3*	−0·3	0	− 8
746	Aden	12 45	45 3	28·7	1013·4	1016·6	+ 1·3	299·3	301·0	28th	294·3	291·4	18th	296·8	*296·2*	−1·3	0	− 5
751	Bombay	18 54	72 49	11·3	1014·2	1015·4	+ 0·9	301·6	304·2	11th	293·6	289·3	6th	297·6	*297·2*	+0·4	0	− 1
751*a*	Cochin	10 58	76 21	2·7	1014·2	1014·4	+ 1·3	304·5	306·7	8th	295·3	292·9	15th	299·9	*299·4*	−0·9	7	− 14
752	Kodaikanal	10 14	77 28	2343	772·2	..	0·0	291·0	294·4	11th	279·4	277·6	4th	285·2	*285·3*	−1·6	14	− 20
752*a*	Bangalore	12 59	77 38	920	914·0	1016·0	+ 1·4	302·2	304·0	28th	287·0	284·6	13th	294·6	*294·3*	−0·9	8	+ 4
753	Madras	13 4	80 14	6·7	1015·2	1015·8	+ 1·5	302·7	307·7	16th	292·0	289·0	15th	297·3	*296·9*	−0·9	55	+ 48
754	Waltair	17 45	83 16	68·9	1008·0	1016·0	+ 1·2	301·6	303·8	15th	292·9	288·9	1st	297·3	*296·8*	−0·9	0	− 23
755	Port Blair	11 40	92 40	17·7	1012·4	1014·5	+ 1·4	302·5	304·0	26th	295·3	293·3	6th	298·9	*298·4*	−1·6	7	− 17
756	Rangoon	16 46	95 48	5·5	1014·2	1015·0	+ 1·6	305·0	306·8	27th	291·7	289·4	14th	298·3	*297·1*	−0·8	0	− 6
757	Saigon	10 47	106 42	11·2	1012·0	1013·3	+ 2·2	304·1	306·6	28th	292·8	289·2	19th	298·4	*297·7*	−1·8	0	− 3
758	Nhatrang	12 15	109 12	3·6	1014·6	1015·0	+ 1·2	300·2	302·3	9th, 10th	291·8	284·6	21st	296·0	*295·5*	−2·0	5	− 12
759	Bolinao	16 24	119 53	7·1	..	1010·4	− 1·2	304·3	306·9	26th	294·2	290·4	25th	299·3	*298·6*	−0·4	0	− 11
761	Vigan	17 34	120 23	12·2	..	1011·0	− 0·2	302·9	305·2	16th	293·8	291·0	19th	298·3	298·0	−0·6	5	0
761*a*	Manila	14 35	120 59	14·2	..	1012·2	− 0·4	302·4	305·3	4th	292·5	288·7	24th	297·5	296·9	−1·3	2	− 8
762	Ormoc	11 0	124 36	5·6	..	1009·7	− 0·7	303·2	304·9	12th	294·4	290·4	24th	298·8	*298·2*	+0·2	287	+177
765	Guam, Ladrone Is.	13 24	144 38	20·4	..	1009·2	− 0·9	302·1	303·8	22nd	296·5	294·7	3rd	299·3	*299·5*	+0·4	197	+121
		N.	E.															

Between Latitude 10° N. and 0°. FEBRUARY—ZONE 8.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° N.	° W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
805	Fanning Island	3 55	159 23	3·1	..	..	..	304·1	305·2	sev. dates	297·2	296·1	2nd	300·6	*300·1*	+0·6	95	−185
821	Colon	9 23	79 23	11·0	..	1012·0	0·0	300·5	300·8	2nd	297·4	296·3	1st	298·9	*298·6*	−0·5	17	− 25
822	Bogota	4 36	74 6	2645	..	..	..	..	..	..	..	..	..	..	..	..	60	0
822*a*	Mérida, Venez.	8 36	71 9	1641	‡842·0	..	..	295·8	297·5	4th	287·4	284·0	23rd	291·6	*290·6*	..	41	..
824	El Peru, Guayanavieja	7 19	61 49	220	986·2	1011·6	+ 0·3	..	..	..	293·4	292·3	8th	..	‡*294·3*	−0·6	71	− 4
825	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1014·1	+ 0·6	301·1	303·3	3rd	296·3	295·2	15, 23, 27	298·7	*298·4*	−0·4	87	− 61
826	Paramaribo	5 49	55 9	3·7	..	..	..	301·8	303·8	13th	‡292·2	‡290·0	12th	‡297·0	*297·2*	−0·9	178	− 1
826*a*	Cayenne	4 56	52 21	6	..	..	..	302·2	303·4	26th	293·5	292·0	6th	297·8	*296·5*	−1·6	623	+311
833	Conakry	9 31	13 43	16	..	..	..	..	..	..	..	..	..	..	..	..	..	..
834	Freetown, Sierra Leone	8 30	13 9	68·3	1003·2	1011·2	+ 0·2	305·6	307·4	23rd, 27th	296·2	293·6	1st, 4th	300·9	*299·4*	0·0	0	− 7
835	Cape Coast Castle	5 5	1 13	?	..	..	..	..	..	..	..	..	..	..	..	..	12	− 14
836	Accra	5 33	W 0 12	25·7	..	..	..	304·7	..	..	295·9	..	..	300·3	*299·7*	+0·2	14	− 18
837	Lagos	6 27	E 3 24	1·8	1011·2	1011·4	− 0·4	304·4	305·8	..	296·8	293·3	..	300·6	*300·1*	−0·2	93	+ 42
838	Zungeru	9 48	6 10	130	..	..	..	309·7	313·0	9th	294·6	290·8	5th, 22nd	302·2	*302·1*	+0·6	0	− 1
838*a*	Libreville	0 23	9 26	35	..	..	..	..	..	..	..	..	..	..	..	..	0	0
839	Yola	9 12	12 30	259	..	..	..	308·8	313·6	17th	294·1	290·2	4th	301·5	*301·4*	−0·4	0	0
841	Wau	7 42	28 3	440	958·7	1008·1	− 0·3	307·8	311·0	16, 18, 23	290·6	286·5	14th	299·2	*298·7*	−1·3	0	− 6
843	Malakal (Kodok)	9 35	31 37	394	964·4	1008·7	+ 0·6	309·3	‡312·7	22nd, 24th	291·8	286·1	10th	300·5	*299·0*	..	0	0
843*a*	Mongalla	5 11	31 47	439	958·3	1007·1	− 0·5	308·7	314·0	22nd	293·4	289·5	10th	301·1	*300·2*	−0·4	0	− 19
845	Entebb

FEBRUARY—ZONE 9. Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Absolute Max.	Date.	Mean Min. B.	Absolute Min.	Date.	Mean of A and B.	†24 hr. Mean. *	Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	4 1	155 1	7·9	1010·1	1011·1	+ 1·1	304·7	306·3	19th	296·7	295·2	2nd	300·7	*300·0*	−0·3	6	− 33
924	Manaos	3 8	60 1	43·8	..	..	..	303·3	307·6	18th	295·8	294·6	1st	299·6	*298·5*	−1·4	196	− 11
926	Taperinha	2 30	54 20	20·0	1008·8	1011·0	..	300·8	302·0	19th, 24th	294·8	294·0	24th	297·8	*296·9*	..	225	..
927	Turyassu	1 43	45 26	15·1	1008·8	1010·5	− 0·4	304·0	305·8	25th	294·6	293·2	7th	299·3	*298·0*	−0·7	304	..
928	Barra do Corda	5 30	45 16	81·0	1000·3	1009·7	− 0·7	303·7	305·9	19th	293·6	290·6	19th	298·7	*297·4*	−0·6	93	− 86
929	Quixeramobim	5 16	39 15	207	988·1	1011·5	0·0	304·0	306·6	2nd	297·1	294·8	12th	300·5	*299·6*	−1·0	127	+ 20
930	Fernando Noronha	3 50	W32 25	106	999·6	1011·7	− 0·4	301·2	302·3	17th	296·7	294·7	27th	298·9	*298·5*	..	97	− 14
939	Loanda	8 49	E 13 13	59·3	..	1011·3	+ 1·0	300·4	302·5	27th	296·3	295·2	6th	298·3	298·1	−0·7	15	− 20
940	Brazzaville	4 17	15 16	320	974·6	1010·9	− 0·4	302·9	307·0	16th	293·4	291·9	5th	298·2	*297·6*	−1·2	181	+ 34
943	Masaka	0 21	31 47	?1280	..	..	..	299·7	301·9	26th	288·0	287·4	sev. dates	293·8	*291·8*	−1·4	41	− 14
944	Nairobi	1 14	36 44	1800	..	..	..	299·1	300·2	1, 8, 27	..	..	..	..	‡*296·2*	−1·6	4	− 65
944*a*	Zanzibar	6 10	39 11	21·9	1011·7	1014·1	+ 1·0	302·5	303·9	25th	298·6	297·8	11th	300·6	*300·1*	−1·0	35	− 22
945	Lamu	2 16	40 50	3·1	..	..	..	305·8	306·9	24th	297	296·9	2nd	301·4	*300·8*	+0·9	0	− 3
947	Seychelles, Port Office	4 37	55 27	4·6	1012·2	1012·7	+ 1·3	301·4	303·2	..	297·9	295·4	..	299·7	*299·1*	−0·1	171	−160
957	Padang	0 56	100 22	6·7	..	1011·5	0·0	303·4	305·5	2nd	295·3	293·5	20th	299·3	298·7	..	167	− 94
958	Batavia	6 11	106 50	8·0	1010·0	1010·9	+ 0·9	299·7	301·5	6th	295·5	294·6	19th	297·6	297·3	−1·2	657	+334
958*a*	Pontianak	0 1	109 20	2·6	..	1011·3	+ 0·8	303·4	305·9	27th	295·2	293·9	23rd	299·3	298·6	..	12	−183
959	Passeroean	7 38	112 55	5·0	..	1009·8	+ 0·8	302·5	303·9	4th	296·2	295·3	18th	299·3	298·4	−0·9	428	+152
960	Kajoemas	7 56	114 9	1060	..	..	..	293·8	297·1	20th	290·2	289·5	24th	292·0	291·6	..	545	+ 98
962	Ambon	3 42	128 10	4·2	..	1009·0	+ 0·5	303·1	305·2	3rd	296·4	295·3	17th	299·7	299·1	0·0	111	− 1
963	Manokwari	0 52	134 20	19·0	..	1007·9	− 1·2	303·4	305·9	7th	295·6	294·0	17th	299·5	298·7	..	203	− 72
965	Daru	9 4	143 13	7·6	..	..	..	303·6	..	..	..	..	..	..	‡*299·7*	−0·7	205	− 81
966	Port Moresby	9 29	147 9	39·0	..	1007·3	− 1·6	303·4	..	..	296·1	..	..	299·7	*299·2*	−1·0	190	− 40
967																		
968	Rendova	8 30	157 12	1·8	1008·8	1008·9	+ 1·4	..	..	..	..	..	..	..	..	..	474	− 1
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1007·2	1007·4	− 0·4	303·6	306·0	3rd, 11th	297·3	295·0	7th	300·5	*300·2*	−0·2	420	+ 12
970	Ocean Island	0 52 S.	169 35 E.	20·0	1005·1	1007·4	− 0·5	304·1	305·2	9th	297·5	296·3	2, 14, 26	300·8	*300·2*	−0·1	12	−217

FEBRUARY—ZONE 10. Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Absolute Max.	Date.	Mean Min. B.	Absolute Min.	Date.	Mean of A and B.	†24 hr. Mean. *	Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1002	Apia, Samoa	13 48	171 46	2	..	1008·6	+ 0·3	301·2	302·6	12th	295·8	294·7	21st	298·5	298·5	−0·6	765	+270
1003	Alofi, Niue Island	19 2	169 55	36·6	..	..	..	302·6	304·7	8, 10, 11	295·3	292·4	10th	298·9	*298·6*	..	531	+279
1007	Makatea	15 47	148 14	47	1006·1	1011·5	..	304·4	307·5	6th	295·5	292·9	18th	299·9	*299·3*	−0·5	255	− 85
1021	Arequipa	16 22	71 33	2451	760·6	..	−0·5	293·1	295·2	16th	282·1	280·1	23rd	287·6	*286·4*	−0·1	5	− 39
1022	Puerto de Arica	18 28	70 20	5	..	..	..	297·6	298·4	27th	292·0	291·2	5th	294·8	*295·4*	+0·6	0	..
1023																		
1024	Sucre, Bolivia	19 30	64 24	2848	730·1	..	..	287·6	292·2	18th	280·6	278·0	23rd	284·1	*283·6*	..	128	+ 9
1025	Corumba	18 59	57 39	116	997·1	1010·6	..	305·4	311·0	14th	293·6	292·0	6th	299·5	*298·3*	−1·2	132	− 20
1026	Cuyaba	15 36	56 6	165	991·0	1010·0	+ 0·1	302·1	305·6	14th	297·1	295·6	4th, 9th	299·6	*299·2*	−1·0	256	+ 40
1027	Bello Horizonte	19 55	43 55	857	919·2	1014·3	+ 1·4	301·2	303·6	21st	290·5	288·6	22nd	295·9	*295·7*	+0·4	19	−201
1028	Caetite	14 3	42 37	900	915·6	1014·5	+ 1·2	299·9	302·0	28th	290·1	287·2	4th	295·0	*295·3*	−0·3	6	− 79
1029	Ondina (Bahia)	13 0	38 31	46·6	1007·7	1013·1	+ 0·2	302·9	304·5	27th	295·6	293·5	15th	299·3	*298·6*	−0·4	194	+ 85
1030	Aracaju	10 55	37 3	4·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1035	St. Helena	15 57	W 5 40	632	944·9	1016·0	+ 0·1	295·8	299·7	7th	288·6	286·1	7th	292·2	*292·0*	+0·1	227	+135
1042	Gwelo	19 27	E 29 49	1417	850·0	..	− 1·2	..	..	..	286·3	284·7	6th	..	‡*292·2*	..	208	+ 70
1043	Salisbury, Rhodesia	17 49	31 3	?457	853·9	..	− 1·7	298·3	303·0	16th, 17th	287·8	285·2	1st	293·0	..	−0·4	252	+ 64
1044	Zomba	15 23	35 18	‡945	904·6	1008·7	− 0·8	300·0	303·0	5th	291·1	288·6	22nd	295·5	*295·3*	+0·4	209	− 65
1045	Tananarive	18 55	47 32	1400	860·7	..	− 1·2	297·5	300·1	12th	288·5	287·0	3rd	293·0	*292·5*	−0·3	157	−135
1046	Sainte-Marie	17 0	49 51	15	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1055	Cocos Keeling Is.	12 5	96 53	4·6	1010·1	1010·6	− 0·2	302·2	303·7	24th	297·0	293·8	4th	299·6	..	−0·9	152	− 35
1056																		
1057	Christmas Island	10 25	105 43	5·5	1006·5	1007·1	− 0·6	302·9	304·7	..	296·7	295·2	..	299·8	*299·2*	−0·6	210	− 82
1058																		
1061	Koepang	10 10	123 34	45·1	..	1008·5	+ 0·1	301·3	303·9	2nd	296·2	293·6	28th	298·7	298·3	..	945	+573
1061*a*	Derby	17 18	123 40	16·2	1004·6	1006·5	− 1·0	305·2	310·8	21st	297·7	294·1	24th	301·4	..	−1·6	307	+153
1062	Hall's Creek	18 13	127 46	374	964·8	1005·9	− 1·4	306·1	310·2	22nd	294·7	287·6	26th	300·4	*300·0*	−2·1	236	+112
1063	Darwin	12 28	130 51	29·6	1002·3	1005·6	− 0·8	303·6	307·4	27th	297·2	294·8	17th	300·4	*299·4*	−1·2	470	+142
1064	Daly Waters	16 16	133 23	211	979·5	1002·9	− 2·5	306·3	309·1	4th, 23rd	295·3	288·0	26th	300·8	*300·4*	−1·8	171	+ 9
1065	Mein	13 13	142 47	122	991·2	1004·8	− 1·8	302·8	306·3	26th, 27th	295·7	293·7	26th	299·3	..	−1·0	331	+ 53
1066	Georgetown, Queensland	18 22	143 32	302	972·3	1005·9	− 1·7	304·6	308·1	5th	295·0	288·6	25th	299·8	..	−0·9	207	+ 7
1067	Samarai	10 37	150 40	15·2	..	1007·8	0·0	303·8	..	..	297·7	..	..	300·8	*300·5*	+0·1	309	+ 93
1072	Suva, Fiji	18 8 S.	178 26 E.	16·8	..	1006·4	− 2·5	302·8	304·8	4th, 23rd	295·7	293·7	12th	299·3	*299·0*	−0·6	392	+135
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 112 and 113. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 112 and 113.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S. FEBRUARY—ZONE 11.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Absolute Max.	Date.	Mean Min. B.	Absolute Min.	Date.	Mean of A and B.	†24 hr. Mean. *	Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	6	..	..	..	..	..	..	..	..	..	..	..	..	480	+226
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1011·2	1014·4	+ 0·2	293·0	295·0	2nd	288·1	286·8	1st, 8th	290·5	*290·4*	+0·4	0	0
1122	Iquique	20 12	70 11	9	1012·3	1013·4	0·0	294·7	296·6	27th	287·0	285·0	1st	290·9	*292·4*	−1·7	0	0
1123	Catamarca	28 27	65 47	510	..	1009·8	+ 1·8	304·0	310·0	16th, 18th	290·6	286·8	3rd	297·3	296·2	−2·8	71	+ 8
1124	Salta	24 46	65 28	1178	882·3	1010·4	+ 1·0	298·4	302·6	18th	287·3	284·4	9th	292·9	293·7	−0·6	215	+ 90
1125	Goya	29 9	59 15	26	..	1011·9	+ 1·3	304·6	309·2	18th	291·4	288·0	20th	298·0	298·4	+0·2	133	+ 33
1126	Asuncion	25 21	57 37	95	‡1002·1	‡1013·2	+ 1·5	305·2	308·5	15th	294·0	290·4	21st	299·6	297·3	−2·7	141	+ 24
1127	Curityba	25 25	49 17	908	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1128	Rio de Janeiro	22 54	W43 10	61·4	1007·0	1014·1	+ 1·8	301·6	306·5	18th	295·5	293·2	7th	298·5	298·1	−0·6	109	− 6
1139	Windhoek	22 35	E 17 5	1680	..	..	..	296·8	305·3	4th	289·1	287·2	28th	292·9	*292·9*	−2·2	148	+ 74
1140																		
1141	Kimberley	28 42	24 47	1202	880·0	..	− 1·1	304·6	310·3	16th	290·5	285·7	1st	297·6	297·2	+1·1	34	− 44
1142	Johannesburg	26 11	28 4	1806	822·5	..	− 0·5	296·1	299·7	16th	285·8	280·1	11th	290·9	*290·4*	−0·7	383	+253
1142*a*	Pretoria (Brooklyn)	25 46	28 13	1400	860·8	..	− 0·6	298·7	302·1	16th	288·1	284·0	11th	293·4	*292·9*	−1·0	190	..
1143	Durban	29 52	31 3	15·2	1013·9	1015·7	− 0·4	300·7	303·3	19th	293·7	291·3	24th	297·2	*296·7*	−0·2	262	+143
1144	Lorenzo Marques	25 58	32 36	59	..	1012·0	− 0·8	302·4	307·2	5th	294·5	292·3	28th	298·5	298·2	−0·2	299	+174
1147	Mauritius	20 6	57 33	55·2	1006·5	1012·9	+ 1·9	301·1	303·1	14th	294·8	291·8	18th	297·9	297·7	−1·1	269	+ 56
1159	Onslow	21 43	114 57	4·3	1002·2	1003·1	− 3·5	305·7	310·2	21st	297·3	295·3	1, 11, 27	301·5	..	−1·3	244	+219
1160	Peak Hill	25 38	118 47	588	938·9	1003·8	− 2·7	305·1	312·1	21st	294·3	288·7	14th	299·7	..	−3·2	177	+146
1161	Nullagine	21 53	120 5	386	962·0	1004·1	− 2·3	307·5	314·8	22nd	296·1	290·9	14th	301·8	..	−2·3	155	+100
1162	Laverton	28 40	122 23	466	956·1	1008·2	− 2·7	305·8	312·8	27th	293·3	285·2	12th	299·6	*299·4*	−0·5	126	+ 97
1163	Alice Springs	23 38	133 37	587	941·2	1004·6	− 2·4	307·2	313·4	5th	292·9	284·1	25th	300·1	*300·3*	−0·6	61	+ 17
1164	William Creek	28 55	136 21	76·2	999·7	1008·1	− 2·5	309·4	316·3	5th	294·7	286·3	23rd	302·1	*301·8*	+1·0	0	− 11
1164*a*	Boulia	22 55	139 38	146	988·5	1004·7	− 1·6	307·9	311·2	14th	294·8	288·8	25th	301·3	*301·5*	−1·8	27	− 25
1165	Thargomindah	27 58	143 43	123	992·9	1006·6	..	307·3	312·5	13th	294·7	288·2	24th	301·0	*300·7*	..	35	− 8
1166	Mitchell	26 32	147 52	336	970·4	1007·3	..	304·0	307·8	10th	290·8	285·1	25th	297·4	..	−1·1	13	− 73
1167	Rockhampton	23 24	150 30	11·3	1005·8	1007·2	− 2·9	302·2	308·9	22nd	295·3	293·6	25th, 27th	298·7	..	−1·0	208	+ 12
1168	Brisbane	27 28	153 2	11·6	1008·7	1009·9	− 2·7	301·6	308·6	4th	292·7	289·7	16th	297·1	..	−0·5	57	−104
1169	Quitchambo	21 52	166 3	38	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1170	Norfolk Island	28 58 S.	168 3 E.	15·2	1007·0	1008·9	− 3·9	296·7	301·9	3rd	294·0	290·5	5th	295·3	..	−0·1	254	+117

Between Latitude 30° S. and 40° S. FEBRUARY—ZONE 12.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Absolute Max.	Date.	Mean Min. B.	Absolute Min.	Date.	Mean of A and B.	†24 hr. Mean. *	Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1221	Juan Fernandez	33 37	78 50	10	..	..	..	294·2	298·7	23rd	288·9	286·2	1st	291·5	*291·8*	−0·4	9	− 21
1221*a*	Punta Tumbes	36 37	73 6	91	‡1003·0	‡1014·0	− 1·1	291·9	294·2	28th	283·5	282·0	16th, 26th	287·7	*287·6*	−0·5	0	− 9
1222	Punta Angeles, Valparaiso	33 1	71 38	41	1008·7	1013·6	− 1·0	294·8	299·5	26th	285·7	284·0	9th	290·3	*289·8*	−1·1	0	0
1222*a*	Santiago	33 27	70 42	520	952·6	1011·9	− 0·7	302·5	305·5	12th	284·3	281·5	9th	293·4	*292·5*	+0·6	0	− 2
1223	Cordoba	31 25	64 12	423	963·9	1012·0	+ 1·5	303·5	308·6	..	288·3	282·3	..	295·9	295·2	−0·2	102	− 8
1224	Bahia Blanca	38 45	62 15	25	..	1012·4	+ 1·4	302·6	308·0	17th	290·4	282·5	2nd	296·5	296·2	+1·1	55	− 1
1225	Buenos Ayres (Chacarita)	34 36	58 22	25	..	1013·6	+ 0·8	300·6	305·7	16th	290·9	282·9	27th	295·7	295·3	−0·6	85	+ 23
1226	Montevideo (Prado)	34 52	56 12	24·9	1011·4	1014·3	+ 1·1	299·5	303·7	24th	290·7	285·4	3rd, 4th	295·1	295·2	+0·2	132	+ 60
1226*a*	Porto Alegre	30 2	W51 13	23·5	1011·4	1014·1	+ 1·4	303·2	309·8	1st	293·5	286·7	28th	298·3	297·5	−0·2	84	0
1239	Cape Town	33 56	E 18 29	12·2	..	1012·8	− 0·9	301·1	310·3	13th	289·6	285·3	3rd	295·3	*293·8*	+0·9	121	+108
1240	Danger Point	34 37	19 18	27·7	1011·5	1014·8	..	294·5	298·0	14th	287·8	285·8	27th	291·2	..	..	7	..
1241	Riversdale	34 6	21 16	?61	1002·1	..	..	302·4	311·9	14th	288·0	283·6	1st	295·2	..	..	6	..
1242	East London	33 1	27 54	9·8	1013·2	1014·3	+ 0·3	297·3	301·9	5th	291·1	287·4	1st	294·2	..	0·0	39	− 42
1259	Perth (Observatory)	31 57	115 51	60·0	1003·7	1010·8	− 2·5	301·6	307·2	16th	291·8	285·9	12th	296·7	*296·1*	+0·3	31	+ 19
1260	Katanning	33 42	117 35	310	977·5	1013·4	− 0·7	298·6	307·7	18th	288·1	284·8	11th	293·3	..	−0·9	34	+ 19
1261	Coolgardie	30 57	121 10	423	963·1	1010·6	− 1·8	303·2	311·9	18th	290·8	281·8	12th	297·0	*296·8*	−0·4	62	+ 43
1262	Eucla	31 45	128 58	4·6	1011·5	1012·1	− 2·1	297·5	311·9	27th	291·0	285·8	25th	294·2	*293·5*	−0·5	57	+ 41
1263	Streaky Bay	32 48	134 13	13·1	1012·1	1013·8	− 0·5	303·4	311·6	2nd	288·8	281·3	24th	296·1	*295·3*	+0·6	1	− 11
1264	Adelaide	34 56	138 35	42·7	1007·7	1012·8	− 1·5	302·9	315·9	11th	289·4	280·5	23rd	296·2	*295·7*	−0·2	5	− 12
1265	Melbourne	37 49	144 58	35·1	1009·1	1013·1	− 1·4	298·7	310·1	11th	287·4	282·7	27th	293·1	*292·7*	+0·4	27	− 17
1266	Bourke	30 13	145 58	110	998·9	1011·3	− 0·1	308·4	314·7	9th, 10th	291·7	284·7	23rd	300·1	..	−1·2	1	− 42
1267	Sydney	33 52	151 13	44·5	1007·4	1012·4	− 1·6	297·8	306·3	9th	290·6	286·3	24th	294·2	*293·8*	−0·6	124	+ 12
1268	Lord Howe Island	31 20	159 0	4·6	1008·9	1009·6	− 4·7	298·7	300·2	1st	291·6	287·5	25th	295·1	..	−0·5	81	− 46
1271	Auckland	36 50	174 50	38·1	..	1014·5	..	296·0	298·0	17th, 24th	290·0	287·4	21st	293·0	..	+0·5	112	+ 36
1272	Napier	39 32 S.	176 53 E.	21·3	..	..	..	..	..	..	..	..	..	..	..	..	..	..

Between Latitude 40° S. and 50° S. FEBRUARY—ZONE 13.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Absolute Max.	Date.	Mean Min. B.	Absolute Min.	Date.	Mean of A and B.	†24 hr. Mean. *	Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1301	Chatham Island	43 52	170 42	104	..	..	..	..	..	..	..	..	..	..	..	..	14	− 53
1321	Isla Huafo	43 34	74 45	140	1000·0	1016·9	+ 0·3	287·8	290·0	22nd	283·4	282·0	10th	285·6	*285·6*	−0·1	59	− 1
1322	Punta Galera	40 1	73 44	40	1011·5	1016·3	+ 0·1	287·3	291·0	8th	282·3	280·5	21st	284·8	*285·5*	−1·7	20	− 56
1323	Sarmiento	45 30	69 0	274	..	1008·6	..	300·3	308·4	14th, 20th	285·0	277·6	1st	292·7	292·2	+2·0	0	− 11
1324	Puerto Madryn	42 49	W64 58	14	..	1011·2	..	301·6	311·6	20th	288·9	282·0	19th	295·3	294·5	+2·0	8	− 3
1365	Launceston	41 27	E147 10	10·1	1011·7	1012·8	− 1·3	297·6	303·1	12th	284·9	278·7	23rd, 26th	291·3	*290·0*	0·0	57	+ 29
1366	Hobart	42 53	147 20	53·9	1006·3	1012·7	− 0·6	295·2	304·2	12th	285·4	280·8	26th	290·3	*289·0*	+0·4	46	+ 9
1370	Invercargill	46 25	168 21	5·5	..	..	..	294·9	300·8	23rd	282·5	274·7	20th	288·7	..	+2·0	40	− 33
1371	Dunedin	45 52	170 31	91·4	..	1015·4	+ 2·9	293·7	300·2	13th	284·9	280·8	19th	289·3	..	+2·6	47	− 24
1371*a*	Christchurch	43 31	172 38	7·6	..	1014·8	+ 0·5	294·1	301·7	11th	286·4	279·2	1st	290·2	..	+1·2	102	+ 55
1372	Wellington	41 16 S.	174 46 E.	2·4	..	1016·7	+ 2·1	295·1	299·3	6th	288·3	283·6	20th	291·7	..	+1·8	128	+ 45
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 113 and 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 113 and 114.

FEBRUARY—ZONE 14. Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	996·7	1003·4	+ 1·4	283·6	285·9	9th	280·2	278·4	5th, 17th	281·9	*281·7*	−0·2	271	+ 18
1422	Puerto de Punta Arenas	53 10	70 54	4	1001·1	1001·6	+ 2·4	289·6	297·5	20th	279·8	276·0	26th	284·7	*284·6*	+0·8	26	− 7
1423	Punta Dungeness	52 24	68 26	5	1002·0	1002·6	+ 2·5	291·1	293·7	20th	279·3	278·0	25th	285·2	*285·2*	+0·5	6	− 17
1424	Santa Cruz	50 11	68 21	12	..	1005·4	− 0·2	295·7	300·8	19th	282·4	278·0	28th	289·1	288·7	+1·3	10	+ 3
1424*a*	Año Nuevo	54 39	64 9	50	994·2	1000·3	+ 4·0	283·8	287·5	13th	279·2	276·8	25th	281·5	281·4	−0·5	55	..
1425	Stanley, Falkland Is.	51 41	57 51	4	..	..	..	..	..	..	..	..	..	..	..	..	63	0
1426	Cape Pembroke	51 41	57 42	21	..	1004·4	+ 3·8	286·2	290·8	21st	279·4	275·8	6th, 26th	282·8	283·2	+0·9	..	..
1429	S. Georgia (Cumberland Bay)	54 14 S.	36 33 W.	4	997·6	998·1	+ 1·8	283·8	290·5	11th	276·2	273·0	6th, 21st	280·0	*279·9*	+0·7	115	− 3

FEBRUARY—ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys	60 44 S.	44 39 W.	7	989·5	990·4	− 1·0	276·4	280·8	11th	272·1	268·0	26th	274·3	274·1	+0·7	44	+ 5
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 115.

† Estimates not based on at least six equally-spaced observations each day are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—FEBRUARY 1918.

Date.	St. Helena. 1035. Direction.	St. Helena. 1035. ††Mean Velocity for the Day.	Fanning Island. 805. Direction and Force (Beaufort). 9h.	Fanning Island. 805. Direction and Force (Beaufort). 21h.	Sierra Leone. 834. Direction and Force (Beaufort). 9h.	Sierra Leone. 834. Direction and Force (Beaufort). 17h.	Entebbe. 844. Direction and Force (Beaufort). 7h.	Entebbe. 844. Direction and Force (Beaufort). 21h.	Malden Island. 905. Direction and Force (Beaufort). 9h.	Tulagi. 969. Direction and Force (Beaufort). 9h.	Ocean Island. 970. Direction and Force (Beaufort). 9h.	Ocean Island. 970. Direction and Force (Beaufort). 21h.	Suva, Fiji. 1072. Direction and Force (Beaufort). 9h.
	9h.	m/s	9h.	21h.	9h.	17h.	7h.	21h.	9h.	9h.	9h.	21h.	9h.
1	SE	5·6	SE 5	E 2	Calm 0	SW 5	W 2	W 3	E by S 3	SE 2	E 4	E 2	Calm 0
2	SE	—	SE 4	E 3	NE 2	S 5	W 4	W 3	ENE 2	SE 2	N 2	N 2	SE 2
3	SE	—	SE 4	SE 4	E 5	S 3	W 3	W 2	ENE 2	Calm 0	N 3	N 2	Calm 0
4	SE	—	SE 4	SE 5	NE 2	SW 4	W 3	W 3	ENE 3	NW 2	N 3	N 3	Calm 0
5	SE	—	E 5	E 4	Calm 0	S 5	W 4	W 4	NE 3	SE 2	E 2	E 2	Calm 0
6	SE	—	E 5	E 4	Calm 0	SW 5	Calm 0	SW 2	E by N 4	SE 2	E 2	E 4	NE 3
7	SE	—	E 6	E 5	Calm 0	NW 5	W 2	SW 2	E 4	Calm 0	E 3	E 4	NE 3
8	SE	—	E 6	E 5	Calm 0	W 3	Calm 0	SW 2	E 3	SE 2	E 3	E 4	NE 3
9	SE	—	E 5	E 3	E 1	SW 5	Calm 0	W 3	E 3	Calm 0	E 3	E 4	NE 3
10	SE	—	E 4	E 4	E 2	E 6	W 2	SW 3	E by S 2	SE 4	SE 3	SE 3	N 2
11	SE	3·4	NE 5	E 4	Calm 0	SW 4	Calm 0	S 2	E 2	Calm 0	SE 4	SE 3	NE 1
12	SSE	4·4	SE 5	E 4	NE 2	SW 5	Calm 0	W 3	ESE 2	NW 2	E 3	E 3	NE 1
13	SSE	4·8	ESE 5	E 4	Calm 0	S 4	W 2	S 3	E 3	NW 4	E 2	E 2	NE 1
14	SE	5·7	SE 5	SE 4	Calm 0	SW 4	E 3	Calm 0	E by S 3	N 6	E 3	E 3	NE 1
15	SSE	4·9	SE 5	SE 5	E 2	SW 5	W 2	W 2	E by S 3	N 4	SE 3	SE 3	Calm 0
16	SE	10·2	SE 5	E 4	Calm 0	SW 6	E 2	W 4	E 2	Calm 0	E 3	E 3	Calm 0
17	SE	11·9	SE 6	SE 5	W 2	SW 6	W 3	W 4	E by S 2	Calm 0	E 3	E 3	Calm 0
18	SE	8·7	SE 5	E 4	W 2	NW 6	W 3	W 2	E 3	Calm 0	E 4	E 3	Calm 0
19	SSE	6·8	SE 5	SE 5	W 2	SW 5	SW 2	W 3	E 2	Calm 0	E 2	E 2	NE 1
20	SE	7·0	SE 6	SE 5	NE 3	SW 4	W 3	SW 2	ESE 3	Calm 0	E 3	ENE 2	N 1
21	SSE	8·3	SE 5	E 5	NE 3	SW 3	Calm 0	SW 2	ESE 3	NW 4	N 2	N 2	N 2
22	SE	8·1	E 5	E 3	NE 2	SW 5	W 3	SW 2	ENE 3	Calm 0	N 3	N 4	NW 2
23	SSE	6·4	E 4	ESE 4	Calm 0	SW 4	W 3	SW 4	E 2	NW 6	N 4	N 4	NW 1
24	SE	7·6	SSE 5	SE 5	Calm 0	SW 5	Calm 0	W 3	E by S 2	NW 4	NE 3	NE 3	NW 1
25	SSE	9·1	E 5	E 5	Calm 0	SW 5	E 2	W 3	ENE 3	NW 4	NE 2	NE 3	N 2
26	SE	7·7	E 5	E 6	SE 4	W 4	SW 2	W 3	E by N 3	NW 4	NE 2	NE 3	NE 2
27	SE	7·6	E 6	NE 6	Calm 0	S 4	Calm 0	W 2	ENE 3	NW 2	N 3	N 2	NE 2
28	SE	8·1	NE 6	NE 6	Calm 0	SW 5	W 3	SW 2	ENE 3	Calm 0	N 3	N 2	Calm 0
													E 3
Mean	..	7·2	5·0	4·4	1·2	4·6	1·9	2·6	2·7	2·0	2·8	2·7	1·5
§Resultant	140° (95)	..	105° (88)		215° (28)		255° (66)		85° (94)	335° (16)	65° (69)		30° (50)
§Normal	141° (90)	6·5	93° (79)		288° (21)		265° (30)		73° (82)	235° (19)	85° (35)		81° (51)

†† Mean velocity of the South-East Trade Wind at 632 metres.
§ Direction and "constancy." For explanation *see* Introduction.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—FEBRUARY 1918.

‡‡ *Spitsbergen.*—Icefjord was covered with ice. Firm ice in Bell Sound did not reach further out than to Aksel Island. Drift ice was observed on a few days.

‡‡ *Iceland.*—At the beginning of the month the north and east coasts were blocked with ice but on the 14th the ice had retired from the east coast and by the 20th all the north coast was free except for scattered ice off Cape North. Ice was visible on 20 days and heavy on 9 days; the normal duration is 4 days.

‡‡ *Denmark Strait.*—At Angmagsalik there was a landwater along the coast but otherwise there was ice everywhere. Winter ice had frozen with "Storis."

‡‡ *Davis Strait.*—The "Storis" drifted northwards to Frederikshaab during the month. From the 20th onwards the sea was free of ice at Cape Farewell. Off Sukkertoppen there were large masses of winter and west ice. Outside the islands off Upernivik the ice drifted away early in the month.

‡‡ *Isforholdene i de Arktiske Have*, 1918, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, MARCH 1918.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF MARCH 1918 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

MARCH—ZONE 1. Between Latitude 80° N. and 70° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr Mean *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
105	Barrow	71 23	156 17	6·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
123	Inglefield Bay	77 20	67 30	?	?1004·6	..	− 4·1	..	?269·6	8th	..	?238·1	29th	..	*?247·8*	..	1	..
124	Upernivik	72 47	W56 7	18·9	1002·7	1005·2	− 7·6	256·6	267·8	22nd	248·4	243·0	15th	252·5	*251·7*	+0·1	4	− 15
125	Spitsbergen (Green Harbour)	78 2	E 14 14	11·4	1003·4	1004·9	− 5·8	..	273·9	13th	249·2	233·8	20th	..	254·5	+1·3	51	+ 27
139	Gjesvaer	71 6	25 22	6·5	1006·8	1007·6	+ 2·8	..	279·0	5th	260·6	263·6	24th	..	*271·8*	+2·2	86	+ 39
140	Mehavn	71 1	27 47	6·4	1006·6	1007·4	+ 0·4	..	278·5	14th	268·4	260·8	27th	..	*270·8*	+2·1	29	− 25
141	Vardö	70 22	31 8	10·0	1007·1	1008·4	+ 2·6	..	277·0	3rd	267·1	261·5	28th	..	*270·0*	+1·7	30	− 21
142	Malye Karmakouly	72 23	52 43	14·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
143	Waigatz	70 24	58 47	11·2	1001·1	1002·6	− 5·6	..	‡268·7	6th	247·5	236·7	23rd	..	*262·2*	..	..	..
147	Maudhavn	77 33 N.	105 40 E.	2·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..

Between Latitude 70° N. and 60° N. **MARCH—ZONE 2.**

202	Gambel	63 51	171 35	6·1	..	..	..	266·2	273·6	8, 9, 15	258·4	249·7	4th	262·3	..	..	..	..
203	Nome	64 30	165 24	6·7	..	1015·6	+ 4·2	262·0	276·9	15th	252·2	237·4	1st	257·1	*257·1*	−2·5	52	+ 29
204	Candle	65 55	161 57	2·4	..	..	..	258·4	271·9	9th, 10th	247·1	230·8	1st, 2nd	252·8	..	..	..	..
205	Tanana	65 10	152 6	67·1	..	1016·2	− 0·9	260·9	273·0	16th	244·3	226·3	22nd, 23rd	252·6	*251·8*	−3·7	36	+ 23
206	Rampart	65 30	150 15	122	..	..	..	265·3	276·3	27th	246·9	229·7	2nd	256·1	..	..	34	+ 23
207	Valdez	61 7	146 16	8·2	..	1009·5	− 0·6	270·7	277·4	30th	259·9	249·1	1st	265·3	*264·8*	−4·0	42	− 38
208	Eagle	64 46	141 12	254	..	1015·2	+ 0·8	261·0	273·0	29th	244·8	228·0	21st	252·9	..	−4·8	13	+ 3
209	Dawson	64 4	139 20	328	973·4	1017·1	− 0·5	259·7	271·3	30th	244·7	231·9	1st	252·2	..	−4·8	14	0
210	Carcross	60 11	134 34	662	..	..	..	263·8	276·3	30th	251·3	235·2	4th	257·5	..	−6·3	17	+ 2
211	Fort Good Hope	66 25	128 53	65·2	1009·0	1018·2	..	254·7	275·2	30th	239·7	225·2	2, 3, 21	247·2	..	..	8	− 11
212	Fort Simpson	61 52	121 35	129	998·3	1015·9	..	259·7	273·0	30th	244·7	235·8	4th	252·2	..	−1·2	34	+ 20
213	Hay River	60 51	115 20	161	993·1	1014·9	..	..	..	..	247·4	231·9	4th	..	‡*253·0*	..	19	..
225	Jacobshavn	69 13	51 2	12·6	1000·3	1002·0	− 9·8	..	..	..	251·3	241·1	16th	..	*256·2*	−0·6	12	0
226	Godthaab	64 11	51 43	9·0	994·8	996·0	− 9·8	267·4	283·0	18th	260·5	249·6	13th	263·9	*263·8*	−1·3	6	− 37
227	Ivigtut	61 12	48 10	5·0	994·6	995·3	− 9·5	..	..	..	261·9	248·8	14th	..	*267·3*	−1·1	24	− 63
229	Angmagsalik	65 37	37 33	31·7	994·0	998·0	− 9·6	272·7	279·3	7th	263·8	250·9	2nd	268·3	*267·9*	+3·1	63	+ 11
231	Stykkisholm	65 5	22 46	11·3	1001·2	1002·6	− 4·5	277·1	280·7	3, 15, 22	270·4	259·7	28th	273·7	*273·3*	+2·6	71	+ 24
232	Vestmanno	63 26	20 15	7·7	1000·7	1001·6	− 4·0	280·0	283·1	22nd	274·3	267·1	27th	277·1	*277·0*	+2·5	161	+ 52
233	Grimsey	66 33	17 58	22	..	..	..	274·5	280·2	13th	269·5	258·3	27th	272·0	*272·0*	+2·3	..	..
234	Akureyri	65 40	18 4	6·8	1002·8	1003·7	− 5·3	..	..	..	..	..	..	..	..	..	..	..
235	Berufjord	64 40	14 19	18·0	1002·6	1004·8	− 2·4	277·7	284·6	13th	270·8	259·1	27th	274·3	*275·2*	+3·5	302	+224
236	Thorshavn	62 3	6 45	26·3	1009·5	1012·7	+ 6·4	280·3	283·3	21st	275·7	267·7	29th	278·0	*277·9*	+2·1	74	− 54
	Lerwick	60 9	W 1 8	18·0	1014·6	1016·7	+ 9·7	279·7	283·0	23rd	275·8	271·9	1st	277·7	*278·3*	+1·0	53	− 27
237	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1014·3	1019·9	+ 9·2	279·3	284·2	31st	273·7	269·0	26th	276·5	*276·3*	+1·2	127	+ 6
238	Christiansund	63 7	7 45	17·8	1015·9	1018·1	+ 9·5	..	282·8	31st	273·9	269·1	26th	..	*276·7*	+1·8	74	− 6
239	Trondhjem	63 26	10 25	39·5	1013·9	1018·9	+ 9·7	278·0	283·0	31st	270·5	260·4	26th	274·3	*274·3*	+2·2	51	− 25
240	Bodö	67 17	14 24	22·4	1011·9	1014·7	+ 7·7	..	279·4	31st	270·5	262·0	25th	..	*273·9*	+2·5	73	+ 3
241	Haparanda	65 50	24 9	9·2	1013·9	1015·1	+ 5·7	272·8	281·5	15th	262·3	250·0	2nd	267·5	*267·8*	+3·3	11	− 15
242	Helsingfors	60 10	24 57	11·7	1018·6	1020·1	+ 7·5	274·1	281·5	23rd	266·1	257·7	25th	270·1	*270·4*	+1·3	7	− 28
242*a*	Kuopio	62 54	27 40	90·3	1005·5	1017·1	+ 5·1	274·5	282·0	15th	263·7	253·0	13th	269·1	*269·4*	+2·1	..	..
243	Kola	68 53	33 1	6·7	1009·6	1010·5	+ 1·0	271·1	279·5	14th	262·2	243·7	24th	266·6	*266·9*	+1·8	25	+ 14
244	Petrozavodsk	61 47	34 23	38·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
245	Arkhangelsk	64 35	40 36	6·2	1009·8	1010·6	− 1·7	268·6	277·1	4th	259·2	243·2	25th	263·9	*264·3*	−0·9	17	− 3
246	Mezen	65 50	44 16	12·6	1006·2	1007·8	− 2·9	266·4	277·4	31st	258·4	241·6	25th	262·4	*262·7*	−1·1	7	+ 1
247	Oust-Tsylma	65 25	52 14	? 70	996·2	1005·4	− 9·8	263·4	275·2	31st	255·2	242·5	10th	259·3	*259·1*	−3·1	19	..
248	Tcherdyn	60 24	56 31	?177	983·8	1006·7	−10·1	266·7	276·5	31st	258·1	242·8	14th	262·4	*262·4*	−2·6	42	+ 21
249	Berezov	63 56	65 4	39·9	1002·3	1007·6	− 7·8	261·5	271·4	7th, 26th	250·7	239·0	12th	256·1	*255·9*	−4·7	71	+ 57
250	Obdorsk	66 31	66 35	23·7	1002·0	1005·2	− 8·3	254·9	266·9	4th	245·6	235·3	12th	250·2	*250·6*	−4·7	9	+ 3
251	Sourgout	61 15	73 24	? 40	1001·6	1006·9	−12·1	..	273·6	27th	250·9	230·5	15th	..	*257·8*	−2·3	20	+ 8
252	Doudinka	69 23	86 4	20	1003·1	1005·8	− 7·5	..	268·2	26th	247·3	233·8	31st	..	*251·5*	..	5	..
253	Touroukhansk	65 47	87 57	45	1003·9	1009·9	− 6·4	..	273·4	26th	251·4	238·6	2nd	..	*257·3*	+0·3	29	+ 18
254	Iakoutsk	62 1	129 43	108	1003·8	1018·6	− 2·7	..	276·5	30th	245·3	228·0	1st	..	*252·5*	+2·7	5	0
262	Verkhoïansk	67 33	133 23	100	997·9	1011·9	− 5·3	..	273·6	31st	234·8	226·9	9th, 19th	..	*245·5*	+4·0	4	+ 2
263	Markovo-sur-Anadyr	64 45	170 50	25·9	1012·0	1015·5	− 2·6	258·0	270·2	21st	247·9	232·0	1st	252·9	‡*253·5*	+3·8	21	+ 14
271	Novo-Mariinskii Post	64 45	177 33	23·5	1011·9	1015·0	− 1·3	261·2	271·5	10th	251·5	235·9	2nd	256·4	‡*256·4*	+2·4	10	+ 4
272		° ′	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 105 and 106. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 105 and 106.

MARCH—ZONE 3.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
301	Atka	52 12	174 20	7·6	..	..	..	..	..	..	273·8	270·8	12th, 13th	..	..	..	159	..
302	St. Paul Island	57 15	170 10	6·1	..	1016·2	+ 8·9	272·7	275·8	4th, 9th	266·8	252·4	1st	269·7	..	..	75	..
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	1018·9	+12·1	278·1	284·1	3rd, 5th	270·7	259·7	12th	274·4	..	+1·1	10	−10
304																		
305	Dillingham	59 0	158 28	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
306	Kodiak (Radio)	57 46	152 22	6·1	1008·2	1009·0	+ 1·6	..	..	..	267·9	262·4	23rd	..	..	..	..	..
309	Sitka	57 3	135 19	27·4	..	1004·7	− 7·3	277·4	283·0	14th	270·1	260·2	10th	273·8	*273·6*	−2·1	115	− 12
310	Prince Rupert	54 18	130 18	51·8	999·0	1005·5	− 6·9	277·4	283·0	15th	271·3	261·3	11th	274·4	*274·1*	−1·9	232	+ 36
311	Barkerville	53 2	121 35	1274	861·8	1010·2	− 5·2	275·2	281·3	20th	266·3	252·4	10th	270·8	*269·7*	+1·2	84	+ 36
312	Kamloops	50 42	120 29	385	969·7	1016·6	− 2·1	281·3	294·1	29th	271·9	259·7	5th, 6th	276·6	*276·6*	+0·5	6	− 3
313	Calgary	51 2	114 2	1045	888·6	1012·1	− 4·7	279·1	291·9	29th	261·3	244·1	5th	270·2	*269·4*	+1·0	11	− 4
314	Fort Chipewyan	58 42	111 10	218	987·1	1015·8	..	263·6	275·2	14th, 22nd	250·2	235·8	4th	256·9	*257·7*	−1·2	30	+ 11
315	Prince Albert	53 10	106 0	442	958·3	1013·3	− 3·5	274·7	289·1	29th	261·3	244·1	6th	268·0	*267·9*	+6·1	22	+ 8
316	Qu'Appelle	50 30	103 47	645	934·6	1012·7	− 4·2	277·4	290·8	26th	265·8	246·3	8th	271·6	*271·2*	+7·5	35	+ 9
317	Minnedosa	50 15	99 50	515	951·4	1014·7	− 4·0	276·3	289·7	29th	264·1	241·9	6th	270·2	*269·8*	+6·6	17	+ 1
318a	Port Nelson	57 4	92 36	14·9	1013·2	1015·2	− 1·5	258·6	277·4	23rd, 24th	245·2	233·0	5th	251·9	..	−1·7	18	− 8
319	Fort Hope	51 33	87 49	‡260	983·4	1015·9	..	270·8	284·1	19th	254·1	234·7	6th	262·4	*262·1*	+2·9	39	+ 16
320	Moose Factory	51 14	80 30	9·1	1015·3	1016·5	− 1·8	271·9	284·7	30th	254·7	239·1	6th	263·3	..	+2·0	19	..
321	Fort George	53 50	79 5	97·5	..	..	..	262·4	275·2	19th, 28th	246·3	231·9	9th	254·3	*253·9*	..	..	..
322	Mistassini Post	50 15	73 55	383	..	..	..	267·5	280·2	20th	250·1	231·9	7th	258·8	..	−0·4	27	− 24
323	Hebron	58 12	62 21	15·0	1010·4	1012·4	..	..	..	..	252·1	242·2	..	..	*255·0*	..	..	..
324	Natashquan	50 8	61 48	?	..	..	..	266·7	278·0	31st	252·5	241·3	6th	259·6	..	−4·1	41	− 8
326	Belle Isle	51 53	55 23	133	986·8	1004·1	− 6·0	265·8	273·6	24th	254·7	244·1	4th, 7th	260·2	*260·9*	−5·2	8	− 51
334	Cahirciveen (Valencia Obs.)	51 56	10 15	13·7	1013·6	1015·3	+ 2·5	283·2	288·0	24th	277·8	270·8	2nd	280·5	280·6	+0·3	100	− 12
335	Aberdeen	57 10	2 6	26·8	1014·3	1017·6	+ 8·1	280·8	289·7	22nd	275·7	273·0	2nd	278·3	278·3	+0·8	41	− 36
336	Greenwich	51 28	W 0 0	46·3	1012·0	1017·7	+ 4·8	284·2	292·4	22nd	274·8	270·2	9th	279·5	279·1	+0·7	25	− 26
337	Uccle	50 48	E 4 22	100	1004·4	1016·8	+ 2·2	284·0	291·4	17th	274·1	268·1	27th	279·0	278·7	+0·7	36	− 25
338	De Bilt	52 6	5 11	3·0	1017·5	1017·9	+ 4·4	283·5	290·7	24th, 25th	272·9	268·2	11th	278·2	277·6	+0·6	26	− 35
338a	Hamburg	53 33	9 58	26·0	1016·3	1019·5	+ 7·0	281·7	289·2	23rd	274·8	269·5	27th	278·3	*277·6*	+1·4	16	− 36
339	Copenhagen	55 41	12 36	5·0	1021·0	1021·6	+ 9·3	277·4	287·0	23rd	272·8	266·3	26th	275·1	*275·1*	+0·6	2	− 36
340	Potsdam	52 23	13 4	84·9	1009·1	1019·8	+ 6·5	282·2	291·0	23rd	273·0	267·5	8th	277·6	276·9	+0·2	14	− 34
340a	Upsala	59 51	17 38	24	1017·9	1020·9	+ 9·4	278·1	285·6	23rd	267·9	256·9	2nd	273·0	272·6	+2·0	7	− 36
341	Warsaw	52 13	21 1	133	1005·5	1022·2	+ 8·1	280·0	287·5	20th	271·7	263·4	26th	275·9	275·6	+1·5	8	− 29
342	Dorpat (Jurjev)	58 23	26 43	74·5	1011·9	1021·5	+ 8·4	274·1	281·2	23rd	266·0	257·6	28th	270·1	269·9	+0·1	3	− 28
343	Petrograd	59 56	30 16	4·8	1018·4	1019·0	+ 6·2	272·3	279·3	31st	264·1	255·4	25th	268·2	*268·3*	0·0	5	− 31
344	Kiev	50 27	30 30	183	999·2	1022·2	+ 6·2	277·7	286·2	20th	270·1	262·8	27th	273·9	*273·3*	+1·3	29	− 21
344a	Moscow	55 50	37 33	167	998·2	1019·7	+ 2·6	271·7	276·9	5th	262·1	247·1	14th	266·9	*266·9*	−1·2	7	− 36
345	Saratov	51 32	46 3	59·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
346	Kazan	55 47	49 8	79·9	1004·2	1014·6	− 3·8	270·0	277·0	6th	260·3	247·6	14th	265·2	*264·9*	−1·2	27	+ 1
347	Orenburg	51 45	55 6	109	1003·2	1017·6	− 3·9	267·1	274·5	25th	257·7	241·2	13th	262·4	*262·5*	−2·1	25	+ 1
348	Perm	58 1	56 16	163	989·1	1010·2	− 8·2	267·5	275·1	31st	259·2	245·5	11th	263·4	*263·2*	−2·7	28	− 3
349	Ekaterinburg	56 49	60 38	281	973·1	1009·0	−12·0	267·7	274·2	31st	259·4	247·7	14th	263·6	*263·3*	−2·1	18	+ 1
350	Tobolsk	58 12	68 14	?108	995·4	1009·5	−11·3	267·1	278·0	26th	257·3	244·7	15th	262·2	*262·3*	−1·6	25	+ 8
351	Akmolinsk	51 12	71 23	?347	975·2	1019·9	− 5·9	..	277·6	29th	257·5	243·4	14th, 16th	..	*262·5*	+0·1	..	..
352	Omsk	54 58	73 23	90	..	..	..	..	..	..	..	..	..	..	*262·8*	+1·1	10	+ 1
353	Barnaoul	53 20	83 48	162	..	..	..	..	..	..	..	..	..	..	..	..	..	..
354	Tomsk	56 30	84 58	122	1001·5	1017·5	− 7·2	..	277·8	27th	259·3	241·3	15th	..	*264·2*	+1·5	40	+ 17
355	Minousinsk	53 43	91 41	249	990·7	1022·7	− 5·3	..	291·2	30th	259·5	247·2	17th	..	*266·1*	..	7	+ 1
356	Eniseisk	58 27	92 10	77·6	1007·6	1017·8	− 5·9	..	284·4	30th	259·2	238·5	16th	..	*264·5*	+1·5	16	+ 1
357	Irkutsk	52 16	104 19	467	963·9	1023·0	− 4·1	..	284·6	31st	258·7	247·9	4th	..	*265·4*	+1·6	5	− 1
358	Kirensk	57 47	108 7	263	987·1	1021·1	− 3·5	..	283·4	31st	255·2	240·6	18th	..	*263·7*	+3·5	11	− 1
359	Tchita	52 2	113 30	687	937·0	1022·7	− 1·3	..	282·8	31st	256·0	244·5	6th	..	*264·6*	+3·8	1	− 1
360	Nertchinskii Zavod	51 19	119 37	626	945·1	1024·6	+ 1·5	..	278·5	30th	254·2	243·9	1st	..	*261·0*	+1·0	0	− 1
361	Tygan Ourkan	54 5	124 46	379	971·5	1020·3	..	271·1	282·0	30th	251·6	239·4	1st	261·4	*261·9*	..	4	..
362	Blagoveshchensk (Bureau Météor.)	50 16	127 30	142	1001·1	1019·4	+ 1·5	274·4	285·8	30th	260·4	248·2	1st	267·4	*267·3*	+3·8	9	− 1
363	Paikanskii Sklad	50 11	130 7	?145	999·5	1018·6	..	271·8	283·0	31st	250·8	235·6	1st	261·3	*261·5*	..	7	..
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	1010·6	1013·4	− 0·6	..	276·9	30th	254·6	244·7	7th	..	*261·7*	+1·7	6	− 11
366	Okhotsk	59 21	143 12	6·0	1009·1	1009·9	− 6·0	265·4	271·9	20th	255·7	245·5	6th	260·6	*260·9*	+2·5	6	+ 1
367																		
368	Petropavlovsk (Radio)	53 0	158 39	13·5	1008·6	1010·3	+ 3·5	273·6	278·4	24th	266·7	256·9	3rd	270·1	*270·0*	..	472	..
369																		
371	Attu Island	52 56	173 13	4·9	..	1014·9	+11·2	276·8	279·7	27th	271·8	265·8	2nd	274·3	..	..	325	..
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 106 and 107. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 106.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

MARCH—ZONE 4.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	70·1	1005·7	1014·4	− 1·4	281·9	288·6	28th	275·8	270·8	5th	278·8	278·6	−0·1	71	+ 6
412	Portland, Oregon	45 32	122 41	46·6	1011·0	1016·6	− 0·3	285·1	297·4	29th	277·2	272·4	6th	281·2	*281·0*	+0·1	88	− 35
413	Macleod	..	..	..	..	..	..	279·9	293·6	31st	268·1	249·7	9th	274·0	*274·0*	+4·4	13	− 5
414	Helena	49 44	113 24	953	..	..	..	283·0	292·4	24th	270·9	254·7	5th	277·0	*277·0*	+4·4	11	− 8
414a	Salt Lake City	46 34	112 4	1253	870·6	1013·9	− 3·0	285·3	294·1	24th	275·5	268·0	1st	280·4	*280·7*	+2·5	46	− 7
415	Cheyenne	40 46	111 54	1329	867·5	1016·2	+ 1·1	284·5	291·3	18th	271·3	260·8	6th	277·9	*278·3*	+4·7	5	− 19
416	North Platte	41 8	104 48	1856	811·2	1014·5	− 0·5	289·5	299·7	18th	271·4	263·6	6th	280·4	*280·0*	+5·2	8	− 14
416a	Bismarck	41 8	100 45	859	916·3	1016·9	− 1·8	282·2	295·8	30th	268·8	250·8	6th	275·5	*275·1*	+7·5	22	− 4
417	Winnipeg	46 47	100 38	511	955·0	1015·2	− 3·6	278·0	290·8	29th	265·2	248·0	6th	271·6	*270·9*	+8·4	23	− 5
418	Duluth	49 53	97 7	232	986·1	1015·2	− 3·6	277·9	292·4	30th	267·3	254·7	10th	272·6	*272·4*	+4·1	13	− 28
419	Port Arthur	48 27	89 12	196	991·3	1016·1	− 1·2	276·3	288·6	30th	263·6	250·2	10th	269·9	*269·5*	+4·3	8	− 15
420	Chicago	41 53	87 37	251	987·3	1017·9	+ 0·7	283·3	296·3	21st	274·1	265·2	10th	278·7	*278·2*	+3·9	52	− 10
421	Toronto	43 40	79 24	116	1002·4	1017·1	+ 0·1	278·0	292·4	20th	269·1	258·6	11th	273·8	*273·1*	+2·5	53	− 14
422	New York (Central Park)	40 46	73 58	30·2	1011·8	1015·5	− 0·5	283·9	297·4	19th	273·3	264·7	11th	278·6	*278·3*	+2·2	42	− 53
423	St. John, N.B.	45 17	66 4	36·2	1006·3	1010·9	− 3·1	273·0	285·8	31st	264·1	250·8	8th	268·6	*268·8*	−2·4	74	− 41
424	S.W. Point, Anticosti	49 24	63 33	9·1	1008·1	1009·3	− 2·1	267·4	274·1	30th, 31st	260·2	247·4	4th	263·8	*264·1*	−3·8	30	− 17
424a	Sable Island (Main Station)	43 57	60 6	7·6	1009·1	1010·1	− 4·1	274·1	279·7	23rd	268·6	260·2	4th, 16th	271·3	*271·2*	−1·9	51	− 70
425	Port aux Basques	47 35	59 10	9·1	1004·9	1006·1	− 4·1	268·6	275·2	30th	261·9	251·9	4th	265·2	*265·1*	−3·7	111	− 7
426	St. John's, Newfoundland	47 34	52 42	38·1	996·6	1001·4	− 8·2	270·8	277·4	30th	263·0	254·1	5th, 6th	266·9	*267·1*	−4·1	156	+ 32
435	Madrid	40 24	3 41	655	938·7	1015·9	− 0·5	289·4	295·8	21st	274·1	268·8	1st	281·7	280·6	−0·4	62	+ 22
436	Nantes	47 15	W 1 34	36·5	1011·7	1016·2	+ 0·8	286·1	293·0	24th	276·1	271·1	27th	281·1	280·7	+0·4	52	− 6
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1011·0	1017·2	+ 2·1	285·5	293·8	24th	274·1	268·9	27th	279·8	279·3	+0·4	53	+ 15
438	Marseilles	43 18	5 23	75	..	1015·1	+ 2·3	288·1	293·4	22nd	277·3	271·4	3rd	282·7	*281·9*	−0·3	79	+ 42
438a	Zürich	47 23	8 33	493	958·1	1017·6	+ 2·1	284·4	293·1	24th	273·0	267·1	16th	278·7	277·9	+1·0	49	− 24
439	Rome	41 54	12 27	45	1010·4	1015·8	+ 2·7	287·9	291·0	22nd	278·9	273·6	29th	283·4	*283·2*	−0·1	49	− 20
440	Vienna	48 15	16 22	203	993·5	1018·4	+ 3·8	282·4	291·1	24th	275·1	267·8	27th	278·7	278·5	+1·8	21	− 25
440a	Buda-Pesth	47 31	19 2	130	1003·1	1019·2	+ 4·6	285·4	292·5	24th	274·7	266·5	28th	280·0	*279·5*	+1·6	21	− 25
441	Sofia	42 42	23 20	550	953·3	1019·6	+ 4·6	282·9	291·3	25th	272·3	264·0	30th	277·6	*277·1*	−1·0	18	− 23
442	Bucharest	44 25	26 5	82	1010·1	1020·3	+ 5·1	285·1	295·8	21st	272·6	266·0	28th	278·9	278·4	+0·5	28	− 13
443	Odessa (University)	46 26	30 46	42·8	1015·2	1020·6	+ 4·7	279·9	288·3	24th	272·1	262·9	30th	276·0	*275·6*	+0·6	5	− 22
444	Kharkov (University)	50 0	36 14	140	1004·2	1022·0	+ 4·3	275·3	283·4	20th	268·3	260·1	15th	271·8	*271·6*	0·0	14	− 21
444a	Novorossiisk	44 44	37 49	37·1	1013·2	1017·8	+ 1·5	283·3	288·0	3rd	273·8	267·0	29th	278·6	*278·3*	−0·7	62	+ 4
445	Tiflis	41 43	44 48	404	970·4	..	..	286·2	297·0	31st	275·1	268·7	2nd	280·6	*279·9*	+0·2	8	− 21
446	Astrakhan	46 21	48 2	−13·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
447	Fort Alexandrovsk	44 31	50 7	24·0	1016·0	1019·0	+ 0·1	278·9	286·6	26th	270·9	265·3	10th	274·9	*274·7*	−0·3	0	− 10
448	Krasnovodsk	40 0	52 59	−17·2	1022·0	1019·9	+ 1·6	283·4	291·0	31st	277·4	272·8	20th	280·4	*280·2*	−1·6	5	− 14
449	Aralskoe More	46 47	61 42	56	..	..	..	..	..	..	..	..	..	..	..	..	..	..
450	Tachkent	41 20	69 18	478	963·1	1020·9	+ 1·2	284·4	295·2	30th	274·3	264·7	21st	279·4	*278·7*	−2·0	51	− 16
451	Narynskoe	41 26	76 2	?2015	793·2	..	..	..	..	..	265·4	253·9	4th	..	*270·8*	+2·1	20	..
452	Vernyi	43 16	76 53	841	920·4	1020·7	− 1·2	279·9	290·4	29th	270·5	259·5	8th	275·2	*274·3*	..	77	..
461	Mukden	41 48	123 23	43·8	1015·2	1020·7	− 0·3	280·5	292·5	23rd	269·3	255·9	1st	274·9	274·4	+2·9	44	+ 25
462	Joshin	40 40	129 11	4·0	1019·1	1019·6	+ 1·8	277·7	282·5	23rd	270·5	260·3	2nd	274·1	274·1	+0·5	40	+ 16
463	Yuki	42 20	130 24	65·6	1011·2	1019·6	..	276·9	283·0	31st	269·0	261·4	2nd	272·9	272·9	..	17	..
464	Vladivostok	43 7	131 55	128	1003·1	1019·5	+ 1·2	274·3	281·5	31st	267·3	254·8	1st	270·8	270·5	+0·3	49	+ 33
465	Ochiai	47 20	142 44	6·6	1010·6	1011·5	− 1·6	273·2	281·5	30th	261·6	245·8	8th	267·4	268·3	+3·0	31	− 6
466	Nemuro	43 20	145 35	26·7	1008·9	1012·3	− 1·2	275·2	281·4	16th	269·3	263·6	2nd	272·3	272·1	+1·5	161	+104
466a	Syana	45 14	147 53	39·3	1005·6	1010·6	− 2·0	274·5	282·4	16th, 26th	267·6	259·4	8th	271·1	271·1	+2·3	125	+ 57
		N.	E.															

Between Latitude 40° N. and 30° N.

MARCH—ZONE 5 (Western Half).

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		N.	W.															
511	San Francisco	37 48	122 26	47·2	1011·8	1017·6	+ 0·1	289·8	298·6	30th	281·6	277·4	5th	285·7	*285·4*	+0·9	69	− 13
512	San Luis Obispo	35 18	120 39	61·3	1010·3	1017·9	− 0·1	292·4	303·0	30th	281·1	275·2	9th	286·8	*286·0*	+1·1	181	+ 90
513	San Diego	32 43	117 10	26·5	1013·9	1016·9	+ 0·1	291·5	299·7	17th	283·9	279·7	9th	287·7	*287·4*	+1·0	116	+ 77
514	Modena	37 48	113 54	1670	833·4	1015·9	+ 1·6	284·9	293·0	31st	270·5	263·0	1st	277·7	*277·9*	+1·2	41	+ 12
515	Santa Fé	35 41	105 57	2138	786·6	1014·9	+ 2·0	284·7	290·2	31st	273·3	266·9	1st	279·0	*279·0*	+1·9	37	+ 18
516	Denver	39 45	105 0	1613	836·0	1014·5	0·0	288·3	295·2	18th	274·4	263·0	1st	281·3	*281·3*	+4·5	26	+ 1
517	Abilene	32 23	99 40	530	954·7	1015·9	+ 0·6	296·7	306·9	12th	281·9	273·0	17th	289·3	*288·6*	+2·9	25	− 4
518	Saint Louis	38 38	90 12	173	996·2	1016·9	− 0·4	290·7	301·9	13th	278·3	267·4	10th	284·5	*283·8*	+4·4	17	− 67
519	Mobile	30 41	88 2	17·4	1015·5	1017·6	− 0·4	296·2	300·8	7th	287·5	281·9	27th	291·8	*291·6*	+3·5	20	−147
520	Nashville	36 10	86 47	166	998·5	1018·6	+ 0·6	293·1	301·3	9th	279·9	270·8	10th	286·5	*286·4*	+3·9	47	− 81
521	Charleston	32 47	79 56	14·6	1016·3	1017·9	− 0·4	294·1	300·8	6th	285·2	278·0	11th	289·7	*289·2*	+2·2	42	− 44
522	Washington	38 54	77 3	34·1	1012·7	1016·9	− 0·7	288·2	299·1	19th	276·0	268·0	11th	282·1	*281·4*	+2·7	128	+ 30
523																		
524	Bermuda	32 18	64 46	46·0	1014·1	1019·6	+ 2·1	293·7	295·6	7th, 14th	287·8	283·6	12th	290·7	*290·4*	+0·6	69	− 44
530	Santa Cruz (Flores)	39 27	31 9	28	1015·1	1018·2	− 4·0	289·6	292·6	8th	284·6	280·2	6th	287·1	*287·1*	+0·1	189	+ 35
531	Horta	38 32	28 38	65	1012·4	1019·6	− 2·3	288·8	291·1	25th	284·6	280·5	6th	286·7	287·1	−0·5	41	− 44
532	Ponta Delgada	37 44	25 40	22	1018·8	1020·7	− 0·5	289·3	291·1	21st	285·6	283·0	6th	287·4	287·5	+0·2	..	..
532a	Faja da Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	82	− 10
533	Madeira (Funchal)	32 37	16 54	25	1018·8	1021·8	+ 3·3	290·4	293·7	21st	284·7	283·0	7th	287·6	*287·6*	−1·1	20	− 60
534																		
535	Lisbon	38 43	9 9	95	1005·8	1017·4	+ 1·0	288·7	295·1	21st	282·9	279·2	4th	285·8	*285·5*	0·0	46	− 42
536	Gibraltar	36 6	5 21	16·2	1015·3	1017·2	+ 0·1	289·0	292·4	28th, 29th	282·4	279·1	3rd, 4th	285·7	*285·9*	−1·5	114	− 8
536a	Melilla	35 18	2 59	8	‡1017·3	‡1018·3	+ 0·4	290·0	293·4	22nd	282·1	280·4	3rd	286·0	*287·0*	−2·4	52	− 20
		N. ° ′	W. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.

MARCH—ZONE 5 (Eastern Half). Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Palma	39 34	2 39	23	1015·0	1017·8	+ 2·6	288·3	294·0	30th	278·7	274·4	4th	283·5	..	−2·4	86	+ 6
538	Algiers (Bouzaréah)	36 48	3 2	343	974·7	1015·5	− 0·5	286·4	293·5	30th	280·5	276·2	2nd	283·5	282·9	−1·5	85	+ 6
539	Tunis	36 48	10 10	21	1013·2	1015·9	+ 0·9	288·8	296·4	31st	280·7	274·8	4th	284·7	*284·0*	−1·5	114	+ 6
539*a*	Malta	35 54	14 31	56·4	..	1015·0	− 0·5	288·3	291·0	27th	283·9	282·2	22nd	286·1	*285·3*	−0·8	139	+ 6
540	Riposto	37 41	15 14	14·2	..	1017·4	+ 1·1	288·0	291·8	26th	281·2	278·0	29th	284·6	*284·6*	−1·3	128	+ 6
541	Athens	37 58	23 43	107	1002·9	1016·0	+ 2·1	286·5	292·5	25th	280·2	274·5	30th	283·3	283·0	−1·3	81	+ 6
542	Alexandria	31 12	29 53	32·0	1011·3	1015·1	− 0·6	294·6	300·3	28th	285·7	282·7	18th	290·1	*289·5*	+0·5	6	− 1
543	Cairo (Helwan)	29 52	31 20	116	1000·8	1014·6	− 0·6	296·4	303·1	20th, 21st	285·0	281·2	1st	290·7	290·3	+0·4	13	+ 1
544	Nicosia (P.W.D.)	35 9	33 22	159	995·2	1014·2	− 0·1	290·1	292·4	28th, 29th	280·0	275·8	20th	285·0	..	−0·2	48	+ 4
544*a*	Beirut	33 54	35 28	33·7	..	1016·0	+ 1·8	291·3	298·5	29th	285·4	282·2	19th	288·3	*288·0*	−0·1	144	− 6
545	Baghdad	33 21	44 28	38·1	..	1015·1	+ 0·5	293·2	299·6	31st	281·8	279·0	1st	287·5	*286·1*	−1·8	22	+ 5
546	Busrah	30 31	47 53	7·6	1015·1	1016·3	− 0·6	295·6	300·6	31st	284·0	278·9	7th	289·8	..	−1·5	62	+ 5
546*a*	Lenkoran	38 46	48 51	−19·3	..	..	..	..	..	..	..	..	..	..	..	..	..	..
547	Teheran	35 41	51 25	1220	..	..	..	286·1	295·7	31st	276·0	271·3	21st	281·1	*281·3*	−1·2	73	+ 2
548	Meshed	36 16	59 35	946	..	..	..	284·8	294·3	31st	273·4	263·0	22nd	279·1	..	−1·7	107	+ 3
549	Seistan	31 0	61 30	?	..	..	..	292·9	299·7	2nd	279·6	272·3	23rd	286·2	..	..	57	+ 1
550	Quetta	30 11	67 3	1677	833·0	..	− 0·7	288·1	294·2	2nd	276·7	268·6	24th	282·4	*282·6*	−1·4	106	+ 2
551	Peshawar	34 2	71 37	339	975·5	1015·4	− 0·3	294·8	303·1	14th	283·8	278·1	26th	289·3	*288·9*	−1·1	113	+ 3
551*a*	Lahore	31 34	74 20	214	987·8	1012·9	+ 0·1	298·7	304·3	15th	286·3	280·9	24th	292·5	*292·2*	−1·4	60	+ 2
552	Simla	31 7	77 8	2205	781·4	..	+ 0·8	285·8	289·3	1st	279·0	272·4	24th	282·4	*282·6*	−0·4	119	− 2
552*a*	Leh	34 10	77 42	3593	664·6	..	− 0·3	..	..	..	268·7	261·9	25th	..	..	..	4	− 1
559	Hankow	30 35	114 17	37·0	1017·3	1021·8	+ 0·2	286·9	301·3	17th	279·5	269·5	1st	283·2	*283·2*	−0·1	91	+ 2
560	Tientsin	39 10	117 10	5·0	1020·6	1021·2	− 0·7	283·9	290·3	16th	275·0	269·2	1st	279·5	*279·3*	+1·6	44	+ 1
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1021·3	0·0	286·8	299·5	18th	277·2	270·5	2nd	282·0	281·0	+0·2	109	+ 2
562	Jinsen (Chemulpo)	37 29	126 37	67·6	1012·0	1020·5	0·0	281·7	289·8	23rd	273·7	268·6	2nd	277·7	277·1	+1·3	24	+ 1
562*a*	Nagasaki	32 44	129 52	133	1002·8	1019·1	+ 0·2	286·5	292·8	19th	278·3	274·4	2nd, 21st	282·4	281·9	−0·3	160	+ 2
563	Kioto	35 1	135 44	42·9	1013·9	1019·2	+ 1·5	286·2	294·3	19th	274·0	268·2	4th	280·1	279·5	+0·4	116	+ 1
564	Tokio	35 41	139 45	21·3	1014·5	1017·1	+ 0·7	284·6	291·8	26th	275·6	269·2	3rd	280·1	279·7	−0·2	163	+ 1
565	Kanayama	37 53	140 46	24·6	1013·7	1016·7	+ 0·6	281·4	290·9	25th	272·4	262·4	1st	276·9	276·8	0·0	94	− 5
566	Miyako	39 38	141 59	30·4	1011·7	1015·5	− 0·3	283·3	290·4	25th	270·9	264·6	3rd	277·1	276·3	+0·9	56	− 5

MARCH—ZONE 6. Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		N.	W.															
605	Honolulu	21 19	157 52	11·6	1014·5	1015·8	− 1·5	297·6	300·8	..	292·2	289·7	..	294·9	*294·6*	+0·1	121	+ 1
614	La Paz	24 10	110 20	12	1014·2	1015·6	..	..	..	..	..	..	..	..	..	..	0	..
615	Chihuahua	28 38	106 4	1423	860·5	1016·4	..	294·0	301·5	12th	278·8	270·2	18th	286·4	..	..	7	+ 5
616	Leon	21 7	101 41	1800	822·1	1012·6	+ 1·5	298·1	301·3	29th	282·5	279·5	19th	290·3	*289·2*	−2·3	61	+ 5
616*a*	Monterry	25 40	100 18	528	954·8	1014·3	..	301·7	308·6	9th	287·2	277·8	16th	294·4	*293·7*	..	1	+ 1
617	Tulancingo	20 5	98 22	2180	..	..	..	..	297·0	..	..	274·0	..	..	287·2	−0·9	53	+ 1
618	Galveston	29 18	94 50	16·5	1015·6	1017·6	+ 0·7	295·1	298·6	14th	280·4	281·9	16th	292·2	*291·9*	+2·1	42	− 2
618*a*	New Orleans	29 58	90 4	16·2	..	1017·3	− 0·1	297·7	301·3	14th	289·3	285·2	17th	293·5	*292·7*	+3·0	43	− 2
619	Merida, Yuc	20 58	89 38	22	1012·4	1014·8	..	304·4	307·4	23rd	293·7	292·0	17th	299·0	*298·3*	..	72	+ 2
620	Havana	23 8	82 21	24·3	..	1017·5	+ 0·4	300·4	303·1	18th	293·1	290·3	28th	296·7	*296·6*	+0·7	77	+ 5
620*a*	Key West	24 33	81 48	6·7	1016·5	1017·3	− 0·4	300·4	301·9	10th	293·9	291·3	27th	297·2	*296·9*	+1·3	67	+ 5
621	Nassau, Bahamas	25 5	77 21	3·7	..	1018·5	0·0	299·3	301·3	19th	293·6	291·9	28th	296·4	*296·2*	+0·6	43	+ 3
622	Watling Island	24 6	74 26	33·5	?1015·8	?1019·7	+ 2·9	..	?301·3	22nd	..	?293·6	12th	..	?*297·2*	..	..	..
633	Izaña	28 19	16 30	2367	767·0	..	..	278·9	285·2	19th	271·6	267·6	4th	275·3	*274·8*	..	6	− 2
634	La Laguna	28 28	16 20	547	955·4	1019·3	+ 3·0	290·5	296·5	21st	282·6	278·3	16th	286·5	*285·9*	0·0	58	− 2
637	Insalah	27 1	W 2 21	?280	..	..	..	298·6	305·8	26th	281·3	278·0	1st, 2nd	290·0	*291·2*	−2·9	0	− 2
641	Siwa	29 12	E 25 29	−23	..	..	..	..	..	..	..	..	..	..	..	..	..	..
642																		
643	Aswan	24 2	32 53	99·6	1000·8	1012·5	− 1·3	303·3	310·5	11th	..	..	..	..	‡*294·7*	+0·8	..	..
644	Tor	28 14	33 37	1·9	1012·7	1012·9	− 0·8	297·1	304·0	22nd	285·6	280·0	1st	291·3	*291·1*	0·0	..	..
647	Bushire	28 59	50 53	4·3	1014·0	1014·6	− 0·1	293·3	299·2	25th	287·4	283·8	8th	290·3	*289·7*	−1·4	41	+ 1
648	Jask	25 44	57 47	4·0	1013·2	1013·6	− 0·2	299·4	303·9	5th	291·7	289·2	23rd	295·6	*295·0*	−0·2	121	+ 1
649	Robat	29 45	60 55	?	908·2	..	..	293·2	299·9	21st	278·2	270·1	22nd	285·7	..	..	73	+ 2
649*a*	Karachi	24 53	66 57	4·0	1013·3	1013·7	+ 0·6	300·0	304·1	10th	292·6	287·6	23rd	296·3	*295·7*	−0·1	39	+ 1
650	Jacobabad	28 17	68 29	56·7	1006·2	1012·8	+ 0·4	303·4	309·1	3rd	288·8	279·6	24th	296·1	*295·6*	−0·8	15	+ 1
651	Jaipur	26 56	75 52	436	963·9	1013·3	− 0·2	304·8	309·4	31st	289·2	279·3	24th	297·0	*296·8*	−0·1	2	− 1
652	Nagpur	21 8	79 5	310	977·6	1012·5	+ 0·6	309·0	311·7	31st	292·1	286·9	27th	300·6	*300·2*	−0·6	2	− 1
653	Allahabad	25 25	81 51	94·1	1001·7	1012·2	+ 0·7	306·4	310·9	31st	290·0	284·4	25th	298·2	*297·8*	+0·2	0	− 1
653*a*	Darjiling	27 3	88 18	2266	775·6	..	− 0·1	287·0	290·9	7th	279·7	277·3	27th	283·3	*283·5*	+0·8	143	+ 1
654	Calcutta	22 36	88 23	6·4	1010·7	1011·4	− 0·2	306·9	310·1	10th	294·6	289·1	13th	300·7	*300·3*	+1·0	21	− 1
655	Gauhati	26 8	91 41	59·7	1005·8	1012·8	0·0	301·6	304·8	31st	289·7	284·7	28th	295·7	*294·8*	+0·3	42	− 1
655*m*	Cherrapunji	25 15	91 42	1314	869·1	..	0·0	292·9	295·6	31st	285·9	283·9	27th	289·4	*288·7*	+0·6	225	+ 1
655*a*	Akyab	20 11	92 56	6·1	1011·7	1012·4	0·0	304·0	305·7	29th	292·4	289·6	4th	298·2	*298·3*	−0·7	14	+ 1
656	Mandalay	21 59	96 0	76·2	1003·3	1011·9	+ 0·3	310·2	311·7	25th	293·4	290·8	10th	301·8	*301·4*	+0·5	2	− 1
656*a*	Tengyueh	24 59	98 35	1633	834·0	..	..	292·0	295·8	30th, 31st	279·2	275·2	30th	285·6	*285·2*	..	93	+ 1
657	Phu Lien	20 48	106 37	115	1000·7	1014·3	+ 0·5	295·9	308·4	24th	289·6	285·8	3rd	292·8	292·0	+0·1	116	+ 1
658	Moncay	21 31	107 51	9	1014·1	1015·2	+ 0·9	294·9	303·6	25th	286·4	283·5	14th	290·6	*291·9*	−1·4	140	+ 1
659	Hong Kong	22 18	114 10	33·2	..	1016·3	+ 0·2	293·3	298·7	25th	288·9	285·3	15th	291·1	290·8	+0·6	28	− 1
660	Amoy	24 27	118 4	ca.3	1018·5	1018·9	− 0·5	290·9	296·9	19th	285·6	279·1	2nd	288·3	*288·1*	0·0	66	− 1
661	Taihoku, Formosa	25 2	121 31	9·3	1017·1	1018·2	+ 0·6	293·9	310·0	19th	285·8	277·4	16th	289·8	289·3	+0·5	122	− 1
661*a*	Santo Domingo	20 28	121 59	18·7	..	..	..	298·8	303·2	24th	293·0	289·5	17th	295·9	*295·5*	−1·5	108	− 1
662	Naha	26 13	127 41	10·5	1016·6	1017·9	+ 0·7	294·2	297·8	8th	286·4	282·7	28th	290·3	290·3	−0·6	105	− 1
665	Titizima (Bonin Islands)	27 5	142 11	4·0	1017·2	1017·7	+ 0·8	293·8	296·8	6th	287·0	283·0	4th	290·4	290·3	−1·2	83	− 3
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 109 and 110. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 110.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N. MARCH—ZONE 7.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Colima	19 12	103 45	509	957·4	1012·6	..	304·3	307·0	5th	289·8	286·5	26th	297·0	*298·2*	..	2	..
716	Morelia	19 42	101 7	1923	809·2	1009·6	..	296·3	299·7	8th, 9th	281·2	278·8	22nd	288·7	*288·1*	..	51	..
717	Mexico, Tacubaya	19 24	99 12	2309	775·1	1012·1	+ 0·6	296·6	300·9	29th	278·4	275·8	12th	287·5	286·6	−1·6	35	+ 24
718	Oaxaca	17 4	96 42	1563	847·1	1012·7	+ 0·7	300·5	304·4	31st	283·3	279·4	19th	291·9	*291·7*	−1·7	39	+ 24
718*a*	Salina Cruz	16 12	95 12	56	1006·8	1011·2	..	302·8	307·0	8th	295·8	291·3	18th	299·3	*298·8*	..	0	..
719	San Salvador	13 42	89 13	‡665	938·4	1013·0	+ 2·0	306·8	309·5	8th	288·7	286·0	4th	297·7	*295·9*	−0·7	80	+ 69
720	Belize	17 29	88 12	5·2	1014·5	1015·2	+ 1·3	301·8	303·0	sev. dates	296·0	290·8	18th	298·9	*298·5*	−0·1	10	− 33
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1015·0	+ 0·4	301·9	303·8	5th	292·2	290·0	10th	297·1	*296·8*	−0·5	108	+ 49
722	Port au Prince	18 33	72 23	37·4	1011·5	1015·8	+ 0·4	304·1	305·8	2nd	293·6	291·8	8th	298·8	*298·0*	−0·3	199	+ 104
723	Caracas	10 30	66 55	‡1010	901·1	..	+ 0·5	297·2	300·0	18th, 27th	285·6	282·9	25th	291·4	*291·6*	−0·4	13	− 4
724	Montserrat	16 41	62 9	39·6	1011·3	1015·8	− 0·6	302·2	304·1	24, 27, 29	293·8	291·3	24th	298·0	*297·5*	..	99	..
724*a*	Grenada (Richmond Hill)	12 5	61 46	155	995·2	1013·2	+ 0·2	300·9	302·4	26th, 27th	294·7	293·6	1, 12, 16	297·8	*297·3*	−0·6	63	− 7
725	Barbados	13 8	59 36	55·2	..	1014·3	− 0·6	301·6	302·4	22, 26, 27	293·9	291·7	24th	297·7	*296·9*	−0·2	25	− 13
731	St. Vincent, C. Verde Is.	16 54	25 4	11	1013·7	1015·0	+ 0·5	295·5	297·0	25th	291·5	290·0	9, 13, 17	293·5	*294·2*	−1·0	0	− 1
732	San Tiago, C. Verde Is.	14 54	23 31	?40	1009·7	1014·4	− 0·1	297·2	300·7	24th	292·6	291·6	14th, 28th	294·9	*295·0*	−0·5	0	− 2
733	Bathurst	13 24	16 36	1·5	..	1014·0	+ 1·2	304·7	309·1	20th	..	..	..	..	*298·0*	+0·4	0	0
734	M'Carthy Island	13 42	14 46	1·1	..	..	..	..	..	..	..	..	..	..	..	..	0	0
735	Ségou	13 34	6 17	300	..	..	..	..	..	..	..	..	..	..	..	..	..	..
736	Timbuctoo	16 43	W 3 2	270	..	..	..	305·5	310·1	24th	290·1	284·2	7th	297·8	*297·9*	−3·2	0	..
737	Sokoto	13 2	E 5 14	353	..	..	..	311·2	314·7	4th	294·9	291·3	12th, 21st	303·1	*302·9*	−0·1	0	− 3
738	Kaduna Capital	10 32	7 25	637	942·0	1012·8	− 0·8	306·9	310·2	4th	293·8	290·8	2nd, 16th	300·3	*300·0*	0·0	2	− 9
739	Katagum	12 17	10 22	30·7	..	..	..	312·8	315·2	5th	292·5	288·0	1st, 2nd	302·7	*302·4*	+1·0	0	0
740	Maiduguri	11 47	13 11	361	..	..	..	314·0	318·6	5th	295·3	289·1	2nd	304·7	*304·4*	+1·9	1	+ 1
741	El Fasher	13 32	25 18	730	..	..	..	309·1	313·0	11th, 30th	290·8	284·3	4th	299·9	..	..	0	..
743	El Obeid	13 11	30 14	569	945·5	1009·1	− 0·6	303·6	305·6	15th	288·5	284·2	1st	296·1	*297·0*	−0·4	0	− 2
743*a*	Khartoum	15 37	32 33	390	964·1	1007·7	− 1·2	308·8	315·1	14th	292·4	288·1	28th	300·6	*300·9*	+0·5	0	0
744	Port Sudan	19 37	37 13	5·9	1010·2	1010·9	− 1·1	301·6	306·0	23rd	293·0	289·0	28th	297·3	*297·2*	+0·5	0	− 2
745	Berbera, Somaliland	10 22	45 2	9·2	1012·4	1013·5	0·0	302·5	304·1	15th, 16th	296·6	293·6	3rd	299·6	*299·5*	+0·9	0	− 23
746	Aden	12 45	45 3	28·7	1009·4	1012·6	− 0·7	301·5	303·7	17th	297·1	293·9	4th	299·3	*298·6*	−0·1	5	− 9
751	Bombay	18 54	72 49	11·3	1011·1	1012·4	− 0·3	303·9	305·6	27th	296·5	291·7	25th	300·2	*300·2*	+1·7	37	+ 36
751*a*	Cochin	10 58	76 21	2·7	1012·0	1012·3	+ 0·3	305·4	306·9	20th	297·6	295·0	21st	301·5	*300·6*	−0·6	43	− 8
752	Kodaikanal	10 14	77 28	2343	771·7	..	− 0·5	293·3	296·4	21st	281·8	279·8	3rd	287·6	*287·6*	−0·8	26	− 34
752*a*	Bangalore	12 59	77 38	920	912·0	1012·3	+ 0·2	304·9	307·7	20th	289·9	287·3	10th	297·4	*296·8*	−1·0	9	− 5
753	Madras	13 4	80 14	6·7	1012·1	1012·8	+ 0·4	304·2	306·2	22nd	294·6	292·2	12th	299·4	*298·5*	−0·9	1	− 4
754	Waltair	17 45	83 16	68·9	1004·7	1012·5	+ 0·1	304·1	306·0	21st	295·8	293·9	27th	299·9	*299·0*	−0·3	2	− 7
755	Port Blair	11 40	92 40	17·7	1010·7	1012·8	+ 0·6	304·8	306·4	26th	296·9	294·8	11th	300·9	*300·0*	−0·7	11	− 7
756	Rangoon	16 46	95 48	5·5	1012·2	1012·8	+ 0·7	308·2	310·9	27th	294·5	292·5	11th	301·3	*299·8*	−0·4	0	− 8
757	Saigon	10 46	106 42	11·2	1010·4	1011·6	+ 1·1	305·8	309·1	25th	294·7	292·5	16th	300·2	*299·5*	−1·6	0	− 7
758	Nhatrang	12 15	109 12	3·6	1012·3	1012·7	+ 0·7	301·3	303·2	31st	293·3	290·6	19th	297·3	*296·8*	−1·9	5	− 15
761	Bolinao	16 24	119 53	7·1	..	1009·7	− 1·2	305·4	308·0	28th	295·1	292·6	8th	300·3	*299·5*	−0·7	56	+ 41
761*a*	Vigan	17 34	120 23	12·2	..	1011·1	− 0·3	303·9	307·6	2nd	294·8	292·0	16th	299·3	*299·2*	−0·6	54	+ 48
762	Manila	14 35	120 59	14·2	..	1011·5	− 0·1	304·6	307·8	26th	293·0	290·5	4th	298·8	*298·2*	−1·4	28	+ 9
765	Ormoc	11 0	124 36	5·6	..	1009·8	− 0·2	303·7	306·0	26th, 27th	295·0	292·6	21st	299·3	*298·5*	−0·2	289	+197
	Guam, Ladrone Is.	13 24	144 38	20·4	..	1010·2	+ 0·2	302·4	304·0	21, 23, 24	296·6	295·0	18th	299·5	*299·4*	−0·2	77	− 3
		N.	E.															

Between Latitude 10° N. and 0°. MARCH—ZONE 8.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		N.	W.															
805	Fanning Island	3 55	159 23	3·1	..	..	..	305·1	307·2	30th	297·4	295·8	24th	301·2	*300·7*	+1·0	73	−247
821	Colon	9 23	79 23	11·0	..	1012·8	+ 0·7	300·7	301·9	28th	297·2	295·2	13th	298·9	*298·6*	−0·6	10	− 31
822	Bogota	4 36	74 6	2645	..	..	..	..	..	..	..	..	..	..	..	..	91	+ 3
822*a*	Merida, Venez.	8 36	71 9	1641	‡842·1	..	..	294·9	298·0	28th, 29th	287·5	285·2	25th	291·2	*290·1*	..	79	..
824	El Peru, Guayanavieja	7 19	61 49	220	?985·5	?1010·9	− 0·4	..	..	..	?293·8	..	..	..	‡*295·1*	−0·3	97	+ 42
825	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1013·7	+ 0·8	300·7	301·6	2nd	296·5	295·2	11th, 28th	298·6	*298·4*	−0·8	353	+192
826	Paramaribo	5 49	55 9	3·7	..	..	..	301·8	302·9	9th	‡292·3	‡290·1	27th	‡297·1	*297·4*	−1·3	280	+ 68
826*a*	Cayenne	4 56	52 21	6	..	..	..	302·6	303·6	30th, 31st	293·7	292·0	sev. dates	298·2	*296·5*	−1·3	743	+341
833	Conakry	9 31	13 43	16	..	..	..	..	..	..	..	..	..	..	..	..	..	..
834	Freetown, Sierra Leone	8 30	13 9	68·3	1003·6	1011·5	+ 0·6	305·4	306·3	sev. dates	296·9	294·1	28th	301·2	*299·6*	+0·1	21	− 7
835	Cape Coast Castle	5 5	1 13	?	..	..	..	..	..	..	..	..	..	..	..	..	150	+ 92
836	Accra	5 33	W 0 12	25·7	..	..	..	..	..	..	296·5	..	..	..	‡*301·8*	+0·1	224	+181
837	Lagos	6 27	E 3 24	1·8	1010·1	1010·3	− 0·7	303·7	305·4	..	297·1	293·0	..	300·4	*299·9*	−0·9	200	+104
838	Zungeru	9 48	6 10	130	..	..	..	309·3	313·6	3rd	297·0	292·4	4th	303·2	*302·9*	−0·1	35	+ 21
838*a*	Libreville	0 23	9 26	35	..	..	..	..	..	..	..	..	..	..	..	..	..	..
839	Yola	9 12	12 30	259	..	..	..	311·1	315·2	4th, 5th	298·3	294·1	20th	304·7	*304·4*	+0·3	24	+ 15
841	Wau	7 42	28 3	440	957·5	1006·5	− 0·9	309·5	312·1	6th	294·1	291·0	8th	301·8	*300·5*	−0·9	4	− 18
843	Malakal (Kodok)	9 35	31 37	394	962·8	1006·7	0·0	310·6	313·1	6th	293·5	289·6	28th	302·1	*301·2*	..	47	+ 40
843*a*	Mongalla	5 11	31 47	439	957·6	1006·3	− 0·3	308·8	313·0	5th	295·7	292·5	20th	302·3	*301·2*	+0·1	40	+ 1
844	Entebbe	0 5	32 29	1171	884·4	..	+ 1·4	300·8	303·5	15th	292·2	290·8	7th	296·5	*296·0*	+1·3	91	− 57
845	Harrar	9 42	42 30	1856	..	..	..	302·0	305·0	28th	287·5	287·0	sev. dates	294·8	..	+1·3	75	− 1
851	Minicoy	8 17	72

MARCH —ZONE 9. Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature Mean Max. A.	Temperature Absolute Max.	Temperature Date.	Temperature Mean Min. B.	Temperature Absolute Min.	Temperature Date.	Temperature Mean of A and B.	Temperature †24 hr. Mean. *	Temperature Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	4 1	155 1	7·9	1010·8	1011·7	+ 1·6	304·7	?306·9	20th	295·8	294·7	sev. dates	300·2	*299·5*	−1·0	32	− 74
924	Manaos	3 8	60 1	43·8	..	..	..	302·9	305·6	20th	295·7	294·6	24th	299·3	*298·3*	−1·3	216	+ 11
926	Taperinha	2 30	54 20	20·0	1008·6	1010·9	..	301·0	302·6	9th	295·1	294·0	24th	298·1	*297·2*	..	340	+ 1
927	Turyassu	1 43	45 26	15·1	1008·5	1010·2	− 0·7	303·7	306·7	8th	294·5	292·6	23rd	299·1	*297·9*	−0·6	433	+ 5
928	Barra do Corda	5 30	45 16	81·0	999·9	1009·3	− 1·0	303·7	306·3	7th, 8th	294·1	292·8	21st, 23rd	298·9	*297·6*	−0·4	204	+ 47
929	Quixeramobim	5 16	39 15	207	987·4	1010·7	− 0·3	304·5	307·4	8th	297·7	295·0	30th	301·1	*300·3*	+0·2	47	− 106
930	Fernando Noronha	3 50	W32 25	106	999·2	1011·3	− 0·6	300·8	302·9	16th	296·6	294·6	29th	298·7	*298·6*	..	173	− 20
939	Loanda	8 49	E 13 13	59·3	..	1010·2	+ 0·4	300·9	302·8	29th	296·5	294·0	20th, 21st	298·7	298·6	−0·5	0	− 57
940	Brazzaville	4 17	15 16	320	974·1	1010·4	− 0·4	303·1	306·8	27th	293·2	291·8	25th	298·2	*297·5*	−1·6	217	+ 61
943	Masaka	0 21	31 47	?1280	..	..	..	299·8	300·8	1, 7, 30	288·3	287·4	4, 13, 20	294·1	*292·1*	−1·0	52	− 42
944	Nairobi	1 14	36 44	1800	..	..	..	299·7	301·9	29th	..	..	..	..	‡*290·3*	−1·4	13	− 105
944*a*	Zanzibar	6 10	39 11	21·9	1010·4	1012·9	+ 0·5	303·6	305·0	24th	299·4	296·7	4th	301·5	*301·1*	+0·2	111	− 54
945	Lamu	2 16	40 50	3·1	..	..	..	304·7	306·3	2nd	296·3	294·7	13th	300·5	*300·0*	−0·4	7	− 158
947	Seychelles, Port Office	4 37	55 27	4·6	1010·7	1011·2	+ 0·6	302·1	302·9	..	298·6	296·7	..	300·3	*299·7*	+0·7	59	− 186
957	Padang	0 56	100 22	6·7	..	1010·5	− 0·7	303·6	305·1	21st	296·1	294·3	27th	299·9	299·3	..	265	− 26
958	Batavia	6 11	106 50	8·0	1009·9	1010·8	+ 0·9	302·5	304·2	21st	295·8	293·6	4th	299·1	298·7	−0·3	100	− 91
958*a*	Pontianak	0 1	109 20	2·6	..	1010·9	+ 0·4	304·1	305·4	14th	295·9	294·8	14th	300·0	299·2	..	150	− 37
959	Passeroean	7 38	112 55	5·0	..	1010·9	+ 1·5	303·4	304·5	11th	295·3	293·6	8th	299·3	299·1	−0·3	169	− 25
960	Kajoemas	7 56	114 9	1060	..	..	..	296·3	298·2	21st	290·1	288·9	29th	293·2	292·4	..	171	− 25
962	Ambon	3 42	128 10	4·2	..	1010·1	+ 1·6	303·3	304·9	10th	295·6	294·1	8th	299·5	298·9	−0·1	145	+ 11
963	Manokwari	0 52	134 20	19·0	..	1008·9	− 0·4	303·4	305·6	12th	295·5	293·5	4th	299·5	298·8	..	229	− 94
965	Daru	9 4	143 13	7·6	..	1009·7	+ 0·1	303·1	..	..	..	..	..	..	‡*299·8*	−0·6	225	− 104
966	Port Moresby	9 29	147 9	39·0	..	1008·6	− 0·6	303·4	..	..	296·4	..	..	299·9	*299·4*	−0·9	86	− 85
967																		
968	Rendova	8 30	157 12	1·8	1008·9	1009·1	+ 1·5	..	..	..	..	..	..	..	..	..	592	+ 61
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1008·3	1008·5	+ 0·7	304·0	306·4	9th, 17th	297·3	295·9	14th	300·7	*300·4*	+0·1	409	− 39
970	Ocean Island	0 52 S.	169 35 E.	20·0	1005·5	1007·8	− 0·1	303·2	305·2	3rd	297·5	295·2	9th	300·3	*299·7*	−0·6	195	− 37

MARCH—ZONE 10. Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature Mean Max. A.	Temperature Absolute Max.	Temperature Date.	Temperature Mean Min. B.	Temperature Absolute Min.	Temperature Date.	Temperature Mean of A and B.	Temperature †24 hr. Mean. *	Temperature Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1002	Apia, Samoa	13 48	171 46	2	..	1010·3	+ 1·2	302·3	304·5	23rd	295·9	294·4	30th	299·1	298·8	−0·4	184	− 294
1003	Alofi, Niue Island	19 2	169 55	36·6	..	..	..	304·3	307·4	10, 23, 24	294·9	291·3	21st	299·6	*299·3*	..	151	− 177
1007	Makatea	15 47	148 14	47	1006·7	1012·1	..	305·9	307·1	27th	295·7	293·5	16th	300·8	*300·2*	+0·5	79	− 136
1021	Arequipa	16 22	71 33	2451	761·1	..	0·0	291·8	294·1	11th	281·7	279·1	24th	286·7	*285·8*	−0·8	32	+ 21
1022	Puerto de Arica	18 28	70 20	5	..	..	..	298·1	299·0	9th	292·5	291·0	30th	295·3	*296·4*	+2·2	0	0
1023																		
1024	Sucre, Bolivia	19 30	64 24	2848	730·1	..	..	289·3	292·8	26th	280·6	276·5	20th	284·9	*284·8*	..	83	− 12
1025	Corumba	18 59	57 39	116	996·8	1010·3	..	304·7	307·8	17th	293·2	286·8	12th	299·0	*297·9*	−2·0	100	− 21
1026	Cuyaba	15 36	56 6	165	990·4	1009·3	− 0·5	302·2	305·6	18th	296·8	295·0	9th	299·5	*299·4*	−0·6	197	− 21
1027	Bello Horizonte	19 55	43 55	857	918·0	1013·1	− 0·4	300·4	303·0	20th	290·5	288·0	2nd	295·5	*295·4*	+0·7	143	+ 51
1028	Caetite	14 3	42 37	900	914·7	1013·3	+ 0·4	300·0	303·2	11th	291·1	290·0	25th, 28th	295·6	*295·7*	−0·4	134	− 5
1029	Ondina (Bahia)	13 0	38 31	46·6	1006·5	1011·9	− 0·7	302·8	305·5	10th	295·7	294·5	23rd, 26th	299·3	*298·7*	−0·2	159	− 1
1030	Aracaju	10 55	37 3	4·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1035	St. Helena	15 57	W 5 40	632	944·3	1015·4	− 0·4	296·3	300·2	9th	288·2	286·8	30th	292·2	*291·9*	−0·1	147	+ 25
1042	Gwelo	19 27	E 29 49	1417	860·0	..	− 1·6	..	..	..	287·6	284·7	26th	..	‡*291·8*	..	151	− 8
1043	Salisbury, Rhodesia	17 49	31 3	1457	855·8	..	− 0·9	298·8	301·9	2, 4, 7	286·6	282·4	31st	292·7	..	−0·3	110	− 14
1044	Zomba	15 23	35 18	‡945	905·9	1010·3	− 0·7	300·0	303·0	1, 2, 5	290·8	289·7	14, 18, 23	295·4	*294·9*	+0·8	332	+ 105
1045	Tananarive	18 55	47 32	1400	863·3	..	+ 0·6	298·0	300·3	1st	288·5	286·5	15th	293·3	*292·4*	−0·3	114	− 71
1046	Sainte-Marie	17 0	49 51	15	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1055	Cocos Keeling Is.	12 5	96 53	4·6	1011·9	1012·5	+ 1·9	302·7	305·2	3rd	298·1	295·2	18th	300·4	..	−0·2	170	− 61
1056																		
1057	Christmas Island	10 25	105 43	5·5	1008·3	1008·9	+ 0·9	303·9	306·3	..	296·2	294·7	..	300·1	*299·3*	−0·6	175	− 77
1058																		
1061	Koepang	10 10	123 34	45·1	..	1010·7	+ 1·9	304·2	306·4	17th	294·9	293·4	19th	299·5	298·9	..	69	− 154
1061*a*	Derby	17 18	123 40	16·2	1009·4	1011·3	+ 2·7	308·1	312·3	11th	296·4	291·1	19th	302·2	..	−0·9	2	− 51
1062	Hall's Creek	18 13	127 46	374	970·0	1011·0	+ 2·1	307·6	311·2	3rd	290·8	284·0	20th	299·2	*298·8*	−2·1	16	− 61
1063	Darwin	12 28	130 51	29·6	1005·7	1009·1	+ 1·7	305·9	308·6	16th	297·6	294·1	19th	301·7	*300·6*	−0·2	191	− 61
1064	Daly Waters	16 16	133 23	211	984·5	1007·9	+ 0·5	307·2	311·3	5th, 12th	293·4	288·0	17th, 18th	300·3	*299·9*	−1·5	56	− 74
1065	Mein	13 13	142 47	122	994·1	1007·7	+ 0·8	303·6	307·7	7th, 8th	294·6	290·8	29th	299·1	..	−0·9	158	− 61
1066	Georgetown, Queensland	18 22	143 32	302	976·2	1009·8	+ 1·1	304·5	309·0	8th	293·3	287·4	28th	298·9	..	−1·0	33	− 73
1067	Samarai	10 37	150 40	15·2	..	1008·9	+ 0·9	304·4	..	..	297·3	..	..	300·8	*300·5*	+0·4	254	− 72
1072	Suva, Fiji	18 8 S.	178 26 E.	16·8	..	1010·0	0·0	302·5	304·4	11th	295·8	294·2	3rd	299·2	*298·9*	−0·5	257	− 112
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 112 and 113. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 112 and 113.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S. MARCH—ZONE 11.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature Mean Max. A.	Temperature Absolute Max.	Temperature Date.	Temperature Mean Min. B.	Temperature Absolute Min.	Temperature Date.	Temperature Mean of A and B.	Temperature †24 hr. Mean. *	Temperature Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	6	..	..	..	..	..	..	..	..	..	..	..	..	129	−140
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1011·6	1014·8	+ 0·2	293·5	295·8	7th, 8th	288·2	285·5	31st	290·9	*290·7*	+1·6	0	− 2
1122	Iquique	20 12	70 11	9	1012·4	1013·4	+ 0·2	296·2	300·0	7th	288·1	286·4	sev. dates	292·1	*293·8*	+0·8	0	0
1123	Catamarca	28 27	65 47	510	..	1009·5	+ 0·1	303·5	310·2	20th	289·7	280·4	9th	296·6	295·9	−1·3	78	+ 25
1124	Salta	24 46	65 28	1178	881·7	1010·0	− 0·7	297·8	302·7	26th	286·4	279·7	9th	292·1	292·9	+0·1	189	+ 86
1125	Goya	29 9	59 15	26	..	1013·0	+ 1·1	302·3	307·6	2nd	291·7	285·0	19th	297·0	295·9	−0·8	467	+ 328
1126	Asuncion	25 21	57 37	95	‡1002·5	‡1013·6	+ 0·6	303·2	308·2	15th	291·9	285·6	11th	297·5	296·9	−1·8	139	+ 36
1127	Curityba	25 25	49 17	908	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1128	Rio de Janeiro	22 54	W43 10	61·4	1006·4	1013·4	+ 0·6	301·0	306·6	30th	295·5	294·2	2nd	298·3	297·7	−0·4	77	− 62
1139	Windhoek	22 35	E 17 5	1680	..	..	..	295·5	300·7	5, 6, 8	288·0	285·5	15th	291·8	*291·8*	−2·2	136	+ 58
1140																		
1141	Kimberley	28 42	24 47	1202	881·9	..	− 0·2	299·8	305·2	5th	288·3	283·3	31st	294·1	293·4	−0·2	60	− 18
1142	Johannesburg	26 11	28 4	1806	823·8	..	− 0·5	294·4	298·3	10th	285·3	280·9	23rd	289·9	*289·4*	−0·5	120	+ 13
1142*a*	Pretoria (Brooklyn)	25 46	28 13	1400	862·1	..	− 0·8	297·0	299·9	26th	287·7	284·3	23rd	292·4	*291·9*	−0·2	147	..
1143	Durban	29 52	31 3	15·2	1014·9	1016·7	− 0·8	300·3	302·1	17th	293·0	289·7	24th	296·7	*296·1*	+0·3	75	− 61
1144	Lorenzo Marques	25 58	32 36	59	..	1013·9	− 1·0	301·9	307·8	1st	293·9	290·6	31st	297·9	297·4	0·0	434	+ 355
1147	Mauritius	20 6	57 33	55·2	1005·0	1011·4	− 0·6	301·7	303·2	10th	294·5	291·1	4th	298·1	297·8	−0·5	290	+ 52
1159	Onslow	21 43	114 57	4·3	1010·0	1010·8	+ 2·6	307·4	313·0	11th	294·4	291·4	26th	300·9	..	−1·3	5	− 18
1160	Peak Hill	25 38	118 47	588	946·4	1010·6	+ 1·5	305·8	310·8	2nd	292·7	287·7	25th	299·2	..	−1·6	4	− 29
1161	Nullagine	21 53	120 5	386	968·5	1010·6	+ 2·1	309·1	313·1	2nd	292·2	284·9	19th	300·7	..	−1·4	0	− 60
1162	Laverton	28 40	122 23	466	962·6	1015·3	+ 1·8	303·8	309·7	22nd	289·4	284·7	15th	296·6	*296·5*	−0·8	19	− 12
1163	Alice Springs	23 38	133 37	587	948·0	1012·7	+ 2·1	303·9	311·3	4th	286·9	280·8	18, 19, 20	295·4	*295·7*	−2·4	0	− 31
1164	William Creek	28 55	136 21	76·2	1006·9	1015·6	+ 1·7	304·2	311·9	2nd	289·1	284·9	18th	296·7	*296·5*	−1·0	5	− 12
1164*a*	Boulia	22 55	139 38	146	994·2	1010·7	+ 2·2	305·7	312·1	4th	290·8	285·9	17th	298·2	*298·5*	−2·7	20	− 26
1165	Thargomindah	27 58	143 43	123	999·3	1013·2	..	304·1	311·4	5th	291·6	284·7	17th	297·9	*297·7*	..	22	+ 2
1166	Mitchell	26 32	147 52	336	975·9	1013·2	..	302·8	309·0	5th	288·4	282·4	19th	295·6	..	−0·5	7	− 74
1167	Rockhampton	23 24	150 30	11·3	1010·4	1011·7	+ 0·1	301·9	307·8	6th	293·0	289·7	21st	297·5	..	−1·3	46	− 86
1168	Brisbane	27 28	153 2	11·6	1014·7	1015·9	+ 1·4	299·2	302·3	15th	290·8	287·4	26th	295·0	*294·3*	−1·5	77	− 71
1169	Quitchambo	21 52	166 3	38	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1170	Norfolk Island	28 58 S.	168 3 E.	15·2	1012·8	1014·6	+ 0·4	296·3	298·6	17th	292·4	288·6	29th	294·3	..	−0·5	19	− 82

Between Latitude 30° S. and 40° S. MARCH—ZONE 12.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature Mean Max. A.	Temperature Absolute Max.	Temperature Date.	Temperature Mean Min. B.	Temperature Absolute Min.	Temperature Date.	Temperature Mean of A and B.	Temperature †24 hr. Mean. *	Temperature Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		S.	W.															
1221	Juan Fernandez	33 37	78 50	10	..	..	..	294·0	297·0	1st	289·0	286·9	16th	291·5	*291·9*	−0·2	40	− 3
1221*a*	Punta Tumbes	36 37	73 6	91	‡1004·3	‡1015·3	− 0·1	291·2	297·4	7th	284·0	281·5	3rd, 28th	287·6	*287·3*	+0·2	20	+ 4
1222	Punta Angeles, Valparaiso	33 1	71 38	41	1009·6	1014·5	− 0·5	295·0	300·2	18th	285·8	282·6	17th	290·4	*290·0*	−0·1	2	− 8
1222*a*	Santiago	33 27	70 42	520	954·3	1014·0	+ 0·3	300·4	304·9	10th	283·2	278·7	29th	291·8	*290·7*	+1·2	5	0
1223	Cordoba	31 25	64 12	423	963·2	1011·6	− 0·4	301·3	307·8	..	287·5	279·8	..	294·4	293·5	+0·2	151	+ 63
1224	Bahia Blanca	38 45	62 15	25	..	1011·8	− 0·6	299·2	307·2	11th	287·8	279·5	18th	293·5	293·0	+0·6	127	+ 61
1225	Buenos Ayres (Chacarita)	34 36	58 22	25	..	1013·5	− 0·8	299·6	305·4	13th	288·1	279·8	29th	293·9	293·6	−0·3	32	− 80
1226	Montevideo (Prado)	34 52	56 12	24·9	1011·1	1014·0	− 0·8	299·1	305·4	22nd	287·7	282·8	30th	293·4	293·6	+0·4	18	− 63
1226*a*	Porto Alegre	30 2	W51 13	23·5	1011·5	1014·2	− 0·9	300·2	306·0	15th	290·7	286·4	20th	295·5	295·1	−0·4	155	+ 67
1239	Cape Town	33 56	E 18 29	12·2	..	1015·2	+ 0·6	298·2	306·4	12th	287·4	283·4	25th	292·8	*291·1*	−0·4	23	+ 1
1240	Danger Point	34 37	19 18	27·7	1013·3	1016·6	..	292·7	297·4	24th	286·6	284·7	9th	289·6	..	..	50	..
1241	Riversdale	34 6	21 16	761	1003·8	..	..	299·1	314·1	13th	287·2	281·9	2nd	293·1	..	..	83	..
1242	East London	33 1	27 54	9·8	1014·0	1015·1	+ 0·1	297·3	301·9	3rd	290·2	287·4	10th, 11th	293·8	..	+0·6	144	+ 57
1259	Perth (Observatory)	31 57	115 51	60·0	1010·1	1017·4	+ 2·0	299·8	306·5	19th	288·7	283·6	4th	294·2	*293·7*	−0·5	49	+ 30
1260	Katanning	33 42	117 35	310	982·5	1018·6	+ 2·7	297·6	306·6	19th	284·7	278·6	5th	291·1	..	−1·0	56	+ 32
1261	Coolgardie	30 57	121 10	423	969·4	1017·6	+ 2·9	300·9	307·3	7th	287·1	281·8	6th	294·0	*293·9*	−1·1	26	+ 7
1262	Eucla	31 45	128 58	4·6	1017·5	1018·1	+ 1·8	297·7	312·4	23rd	289·6	281·9	6th	293·6	*293·0*	−0·1	14	− 9
1263	Streaky Bay	32 48	134 13	13·1	1018·0	1019·7	+ 2·8	300·4	310·2	23rd	286·3	281·3	18th, 27th	293·3	*292·6*	+0·1	15	0
1264	Adelaide	34 56	138 35	42·7	1014·1	1018·9	+ 1·8	299·7	308·7	23rd	287·2	282·8	26th, 27th	293·4	*292·9*	−0·7	13	− 13
1265	Melbourne	37 49	144 58	35·1	1014·4	1018·5	+ 1·5	296·0	304·0	23rd	285·8	277·4	18th	290·9	*290·5*	−0·2	113	+ 56
1266	Bourke	30 13	145 58	110	1004·7	1017·3	+ 3·1	305·1	314·7	5th	288·1	282·4	15th, 16th	296·6	..	−1·6	5	− 27
1267	Sydney	33 52	151 13	44·5	1013·5	1018·5	+ 2·3	297·2	303·2	6th	288·9	284·5	30th	293·1	*293·0*	−0·6	63	− 63
1268	Lord Howe Island	31 20	159 0	4·6	1016·9	1017·6	+ 1·4	297·7	300·3	15th	291·6	286·3	28th	294·6	..	−0·3	5	− 133
1271	Auckland	36 50	174 50	38·1	..	1014·9	..	295·2	298·6	8th	288·2	285·2	1st, 26th	291·7	..	+0·4	137	+ 60
1272	Napier	39 32 S.	176 53 E.	21·3	..	1015·9	− 1·0	293·3	..	..	285·3	..	..	289·3	..	−0·9	..	..

Between Latitude 40° S. and 50° S. MARCH—ZONE 13.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature Mean Max. A.	Temperature Absolute Max.	Temperature Date.	Temperature Mean Min. B.	Temperature Absolute Min.	Temperature Date.	Temperature Mean of A and B.	Temperature †24 hr. Mean. *	Temperature Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		S.	W.															
1301	Chatham Island	43 52	176 42	104	..	..	..	..	..	..	..	..	..	..	..	..	77	− 4
1321	Isla Huafo	43 34	74 45	140	996·7	1013·6	− 3·1	286·2	289·7	4th	282·4	279·2	23rd	284·3	*284·6*	−0·6	83	+ 21
1322	Punta Galera	40 1	73 44	40	1011·1	1015·9	− 0·3	287·8	293·2	8th	283·3	280·6	10th	285·5	*286·1*	−0·3	175	+ 70
1323	Sarmiento	45 30	69 0	274	..	1007·0	..	295·1	307·0	7th	282·4	276·2	30th	288·7	288·0	+1·1	4	− 12
1324	Puerto Madryn	42 49	W64 58	14	..	1010·2	..	297·3	304·2	23rd	283·8	277·0	27th	290·5	290·6	+0·3	5	− 4
1365	Launceston	41 27	E147 10	10·1	1015·1	1016·3	+ 1·8	295·9	301·8	2nd	283·3	275·8	17th	289·6	*288·6*	+0·5	18	− 27
1366	Hobart	42 53	147 20	53·9	1009·4	1015·8	+ 2·0	293·3	303·7	23rd	284·1	277·7	16th	288·7	*287·7*	+0·5	35	− 8
1370	Invercargill	46 25	168 21	5·5	..	..	..	291·7	299·1	16th	281·6	276·3	9th	286·6	..	+0·7	75	− 16
1371	Dunedin	45 52	170 31	91·4	..	1016·8	+ 2·5	290·7	298·0	26th	283·9	280·8	23rd, 24th	287·3	..	+1·4	101	+ 26
1371*a*	Christchurch	43 31	172 38	7·6	..	1016·3	− 0·3	291·4	300·4	27th	283·8	277·0	1st	287·6	..	−0·1	54	− 2
1372	Wellington	41 16 S.	174 46 E.	2·4	..	1016·9	+ 0·5	292·3	297·6	8th	285·8	279·5	25th	289·1	..	+0·3	89	+ 6
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 113 and 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 113 and 114.

MARCH—ZONE 14.

Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A. and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	994·4	1001·1	— 1·4	282·5	284·4	1st	278·9	277·0	23rd	280·7	*280·5*	—0·9	234	—
1422	Puerto de Punta Arenas	53 10	70 54	4	998·2	998·7	— 1·6	286·3	295·0	7th	277·2	273·1	sev. dates.	281·7	*281·5*	—0·7	37	+
1423	Punta Dungeness	52 24	68 26	5	999·6	1000·2	— 0·9	288·2	291·4	15th	278·3	277·2	21st, 25th	283·3	*283·3*	+0·2	47	+
1424	Santa Cruz	50 11	68 21	12	..	1002·4	— 1·5	290·1	303·9	7th	279·1	273·0	25th	284·6	284·6	—0·9	17	+
1424*a*	Año Nuevo	54 39	64 9	50	990·0	996·1	— 2·0	281·8	284·5	4th	277·5	273·6	13th	279·6	279·4	—0·1	100	..
1425	Stanley, Falkland Is.	51 41	57 51	4	..	..	..	..	..	..	..	..	..	..	..	..	77	+
1426	Cape Pembroke	51 41	57 42	21	..	999·4	— 1·8	283·6	290·2	5th	277·3	274·1	29th, 30th	280·5	280·9	—0·7	..	..
1429	S. Georgia (Cumberland Bay)	54 14 S.	36 33 W.	4	993·6	994·1	— 2·7	281·6	291·9	24th	274·6	271·0	12th	278·1	*278·2*	—0·1	233	+

MARCH—ZONE 15.

Between Latitude 60° S. and 70° S.

1527	South Orkneys	60 44 S.	44 39 W.	7	992·4	993·3	+ 2·0	275·0	277·4	5th	271·8	269·3	13th	273·4	273·2	+0·7	74	+
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 115.

† Estimates not based on at least six equally-spaced observations each day are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—MARCH 1918.

Date.	St. Helena. 1035. Direction.	St. Helena. 1035. ††Mean Velocity for the Day.	Fanning Island. 805. 9h.	Fanning Island. 805. 21h.	Sierra Leone. 834. 9h.	Sierra Leone. 834. 17h.	Entebbe. 844. 7h.	Entebbe. 844. 21h.	Malden Island. 905. 9h.	Tulagi. 969. 9h.	Ocean Island. 970. 9h.	Ocean Island. 970. 21h.	Suva, Fiji. 1072. 9h.
	9h.	m/s	Direction and Force (Beaufort).		Direction and Force (Beaufort).		Direction and Force (Beaufort).		Direction and Force (Beaufort).	Direction and Force (Beaufort).	Direction and Force (Beaufort).		Direction and Force (Beaufort).
1	SE	8·4	NE 6	NE 5	Calm 0	NW 2	W 4	W 4	ENE 3	Calm 0	N 2	NNE 3	WSW 2
2	SE	8·6	NE 6	NE 6	NW 2	Calm 0	W 3	W 3	ENE 3	Calm 0	NE 2	NE 2	SSW 3
3	SE	6·9	NE 4	NE 4	SW 4	W 2	W 3	W 3	E by S 2	NW 4	NE 3	NE 2	Calm 0
4	SE	8·0	E 4	E 4	Calm 0	W 6	E 3	SW 3	ENE 2	NW 4	NE 2	ENE 2	Calm 0
5	SSE	6·8	E 4	E 4	Calm 0	SW 2	Calm 0	W 3	E 2	NW 2	N 2	NW 3	Calm 1
6	SSE	7·6	E 5	E 4	Calm 0	SW 3	SW 2	W 3	E 3	NW 6	NNW 4	W 5	SE 0
7	SSE	7·3	E 5	E 5	Calm 0	SW 1	SW 2	SW 5	E by N 3	NW 6	W 5	W 5	Calm 1
8	SE	6·6	E 5	E 4	NE 1	SW 2	W 3	SW 5	E by N 3	SE 2	W 6	W 6	SE 2
9	SSE	3·8	E 5	SE 5	SW 2	Calm 0	Calm 0	SW 3	NE 3	SE 4	W 6	W 6	E 3
10	SSE	3·7	SE 5	SE 5	NE 2	W 2	W 3	Calm 0	N 1	NW 2	NNW 5	NW 6	E 3
11	SSE	5·5	E 5	E 5	SW 2	NE 3	W 3	SW 3	E by S 2	NW 4	NE 4	E 3	NE 2
12	SSE	5·8	E 4	E 5	NE 1	Calm 0	Calm 0	W 3	E 3	NW 10	NE 3	E 2	NE 2
13	SSE	7·3	E 5	SE 5	SW 1	Calm 0	Calm 0	W 3	NE 2	NW 10	NE 3	E 2	N 2
14	SSE	9·6	SE 5	SE 4	W 2	NE 1	SW 2	SW 2	NE 3	NW 8	E 3	E 2	N 2
15	SSE	9·1	SE 3	SE 2	Calm 0	Calm 0	Calm 0	SW 3	NE 1	N 6	E 2	E 2	N 0
16	SSE	7·7	SE 3	SE 2	SW 2	SW 1	W 3	W 3	E by S 2	N 6	E 2	E 1	Calm 1
17	SSE	7·2	SE 3	SE 4	W 2	N 2	Calm 0	Calm 0	NE 2	NE 6	ENE 3	N 3	SE 1
18	SSE	7·6	SSE 4	NE 3	SW 1	SW 1	Calm 0	Calm 0	E 1	NE 4	ENE 3	N 3	Calm 1
19	SSE	5·9	E 4	E 3	NE 1	SW 1	E 2	W 3	E 2	Calm 0	E 2	E 2	NE 0
20	SSE	—	SE 4	E 4	NW 2	NW 2	Calm 0	W 3	ESE 2	Calm 0	E 3	E 2	Calm 0
21	SSE	—	SE 4	SE 4	Calm 0	NE 2	W 3	W 3	E 2	Calm 0	E 2	E 2	Calm 1
22	SSE	3·1	SE 4	SE 4	Calm 0	SW 2	Calm 0	Calm 0	NE 2	SE 2	E 3	E 2	SE 0
23	SE	3·1	SE 4	E 1	W 1	Calm 0	W 2	W 3	NE 1	SE 2	E 4	E 2	Calm 0
24	SSE	3·7	E 4	E 4	NE 1	NE 4	W 2	W 2	ENE 1	Calm 0	E 3	E 2	Calm 0
25	S	6·8	E 4	E 4	Calm 0	Calm 0	W 3	Calm 0	NE 2	SE 4	E 2	Calm 0	Calm 0
26	SSE	7·4	E 4	E 2	N 1	Calm 0	W 3	Calm 0	NE 3	SE 4	E 1	E 1	Calm 0
27	SE	6·4	E 3	E 4	NW 2	Calm 0	W 3	W 3	—	Calm 0	E 1	Calm 0	Calm 0
28	SSE	5·9	E 3	E 2	Calm 0	SW 1	W 3	W 2	—	Calm 0	E 2	E 2	SE 3
29	SSE	—	SE 4	E 4	E 1	Calm 0	SW 2	SW 2	—	SE 2	E 3	E 3	SE 4
30	SE	8·9	SE 3	Calm 0	W 1	SE 1	W 2	W 2	—	SE 4	E 3	E 3	SE 4
31	SE	—	E 3	Calm 0	W 1	SW 1	Calm 0	SW 5	—	Calm 0	E 3	E 2	SE 4
Mean	..	6·6	4·2	3·9	1·1	1·4	1·8	2·5	2·1	3·2	2·9	2·6	1
§Resultant			150° (92)	..	100° (84)	270° (24)	255° (63)		70° (88)	360° (6)	70° (58)		105° (27)
§Normal		6·4	78° (83)		277° (38)		260° (39)		76° (77)	320° (9)	84° (41)		79° (41)

†† Mean velocity of the South-East Trade Wind at 632 metres.
§ Direction and "Constancy." For explanation *see* Introduction.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—MARCH 1918.

‡‡ *Spitsbergen.*—Icefjord was covered with ice. Firm ice in Bell Sound did not reach further out than to Aksel Island.
‡‡ *Iceland.*—The coasts were free of ice. Normally the ice is visible on 9 days, heavy on 1.
‡‡ *Denmark Strait.*—At Angmagsalik there was an open landwater, otherwise ice everywhere.
‡‡ *Davis Strait.*—Under Cape Farewell the "Storis" was sometimes inshore, sometimes offshore. This ice extended to Julianehaab Bay. Except during the first and last decade of the month Frederikshaab was free of ice. Between the 6th and the 18th the west and winter ice drifted off at Sukkertoppen but returned in a few days.

‡‡ *Isforholdene i de Arktiske Have*, 1918, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, APRIL 1918

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF APRIL 1918 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N.

APRIL—ZONE 1.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
105	Barrow	71 23	156 17	6·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
123	Inglefield Bay	77 20	67 30	?	..	..	..	..	..	..	..	..	..	..	..	..	..	..
124	Upernivik	72 47	W56 7	18·9	1011·6	1014·1	— 1·1	263·1	273·1	30th	251·3	244·8	13th	257·2	*256·0*	—2·6	28	+ 14
125	Spitsbergen(GreenHarbour)	78 2	E 14 14	11·4	1007·5	1009·0	— 3·5	..	276·8	23rd	254·8	238·7	1st	..	260·6	+2·3	61	+ 38
139	Gjesvaer	71 6	25 22	6·5	1015·5	1016·3	+ 5·1	..	283·5	25th	272·2	266·6	15th	..	*274·8*	+2·5	67	+ 30
140	Mehavn	71 1	27 47	6·4	1015·5	1016·3	+ 6·6	..	282·9	25th	271·1	265·4	18th	..	*273·9*	+2·2	25	— 21
141	Vardö	70 22	31 8	10·0	1016·2	1017·5	+ 5·6	..	278·4	26th	270·8	265·8	15th	..	*273·2*	+1·7	6	— 33
142	Malye Karmakouly	72 23	52 43	14·8	1013·9	1015·8	+ 2·8	..	..	..	..	..	..	..	..	..	..	..
143	Waigatz	70 24	58 47	11·2	1013·5	1015·0	+ 1·1	..	‡273·4	26th	260·4	248·5	8th	..	*264·8*	..	1	..
157	Maudhavn	77 33 N.	105 40 E.	2·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..

Between Latitude 70° N. and 60° N.

APRIL—ZONE 2.

202	Gambel	63 51	171 35	6·1	..	..	..	266·8	274·7	21st, 30th	259·1	246·3	4th	262·9	..	..	..	..
203	Nome	64 30	165 24	6·7	..	1011·2	0·0	266·5	275·8	21st	256·7	238·6	5th	261·6	*261·7*	—3·8	24	+ 10
204	Candle	65 55	161 57	2·4	..	..	..	265·4	275·2	22nd, 29th	253·5	236·3	8th	259·4	..	..	..	..
205	Tanana	65 10	152 6	67·1	..	1011·8	— 3·4	271·4	279·1	14th	257·4	236·3	7th	264·4	*264·5*	—4·1	26	+ 19
206	Rampart	65 30	150 15	122	..	..	..	276·1	?286·3	28th	261·1	244·7	7th	268·6	..	..	33	+ 26
207	Valdez	61 7	146 16	8·2	..	1012·8	+ 1·1	276·1	280·2	14th	267·7	259·7	5th	271·9	*271·6*	—2·2	192	+110
208	Eagle	64 46	141 12	254	..	1010·1	— 1·1	275·4	281·3	11, 22, 30	263·1	240·8	5th	269·2	..	—1·6	24	+ 12
209	Dawson	64 4	139 20	328	969·7	1010·4	— 2·1	277·4	283·6	14th	264·1	244·7	5th	270·8	..	—0·6	14	+ 1
210	Carcross	60 11	134 34	662	..	..	..	275·8	282·4	27th	264·3	246·9	1st	270·1	..	—1·8	11	+ 3
211	Fort Good Hope	66 25	128 53	65·2	1008·6	1017·3	..	268·0	280·2	17th	253·6	234·7	6th	260·8	..	..	19	— 4
212	Fort Simpson	61 52	121 35	129	997·6	1014·2	..	274·7	285·2	19th, 28th	260·2	241·9	6th	267·4	..	—3·5	53	+ 22
213	Hay River	60 51	115 20	161	994·1	1014·7	..	..	..	..	261·3	241·9	6th	..	‡*267·4*	..	22	..
225	Jacobshavn	69 13	51 2	12·6	1010·8	1012·4	— 1·6	..	..	..	254·8	242·7	16th	..	*259·4*	—3·8	8	— 3
226	Godthaab	64 11	51 43	9·0	1007·6	1008·8	— 0·2	..	..	..	261·2	252·2	14th	..	*265·0*	—4·2	0	— 29
227	Ivigtut	61 12	48 10	5·0	1008·2	1008·9	+ 0·7	..	..	..	263·7	252·3	11th	..	*270·0*	—2·4	85	+ 22
229	Angmagsalik	65 37	37 33	31·7	1006·3	1010·3	+ 0·8	273·4	281·2	30th	263·3	253·1	3rd	268·3	*267·9*	—1·4	71	+ 5
231	Stykkisholm	65 5	22 46	11·3	1012·3	1013·7	+ 3·7	278·4	286·3	30th	269·9	256·9	12th	274·1	*273·6*	—0·2	54	+ 16
232	Vestmanno	63 26	20 15	7·7	1011·5	1012·4	+ 2·6	280·5	284·1	19th	273·8	261·7	13th	277·1	*277·0*	0·0	126	+ 27
233	Grimsey	66 33	17 58	22	..	..	..	274·2	283·9	30th	267·2	252·5	12th	270·7	*270·9*	—1·0	..	..
234	Akureyri	65 40	18 4	6·8	1013·0	1013·9	+ 2·2	..	..	..	..	..	..	..	..	..	..	..
235	Berufjord	64 40	14 19	18·0	1012·3	1014·5	+ 2·9	278·0	283·2	18, 25, 30	269·0	257·1	13th	273·5	*274·6*	+0·2	74	— 9
236	Thorshavn	62 3	6 45	26·3	1015·0	1018·3	+ 7·6	280·6	285·0	25th	274·9	266·2	14th	277·7	*277·6*	—0·3	37	— 58
	Lerwick	60 9	W 1 8	18·0	1015·9	1017·9	+ 6·8	280·1	286·3	26th	276·0	271·3	18th	278·1	*278·6*	—0·2	42	— 16
237	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1012·4	1017·9	+ 4·3	284·5	292·7	24th	276·1	272·3	20th	280·3	*280·1*	+1·5	5	— 91
238	Christiansund	63 7	7 45	17·8	1017·8	1019·9	+ 6·7	..	290·4	22nd	275·9	271·0	18th	..	*279·2*	+1·6	16	— 39
239	Trondhjem	63 26	10 25	39·5	1016·0	1020·9	+ 7·4	282·8	291·3	23rd	274·1	265·9	19th	278·5	*278·1*	+1·6	6	— 51
240	Bodö	67 17	14 24	22·4	1017·4	1020·1	+ 7·8	..	286·6	24th	273·2	267·6	19th	..	*276·4*	+1·5	33	— 14
241	Happaranda	65 50	24 9	9·2	1020·8	1022·0	+ 8·5	276·5	282·5	27th	267·2	260·0	15th	271·9	*272·0*	+0·9	10	— 13
242	Helsingfors	60 10	24 57	11·7	1020·0	1021·4	+ 7·0	280·2	288·6	27th	273·6	269·4	16th	276·9	*276·8*	+2·1	33	— 2
242*a*	Kuopio	62 54	27 40	90·3	1011·2	1022·6	+ 8·3	280·1	290·1	26th	270·2	265·1	16th	275·1	*275·4*	+1·3	..	..
243	Kola	68 53	33 1	6·7	1018·7	1019·5	+ 7·5	277·8	286·2	26th	269·0	260·8	15th	273·4	*273·3*	+1·9	12	— 2
244	Petrozavodsk	61 47	34 23	38·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
245	Arkhangelsk	64 35	40 36	6·2	1021·9	1022·7	+ 9·1	278·3	289·1	27th	268·9	262·7	19th	273·6	*273·2*	+1·4	29	+ 10
246	Mezen	65 50	44 16	12·6	1019·9	1021·5	+ 7·3	276·8	286·0	27th	268·6	260·2	20th	272·7	*272·4*	+2·0	10	— 1
247	Oust-Tsylma	65 25	52 14	? 70	1012·4	1021·3	+ 6·2	277·2	287·0	28th	269·1	259·8	30th	273·2	*272·9*	+2·5	17	..
248	Tcherdyn	60 24	56 31	?177	999·4	1021·5	+ 5·9	280·9	289·8	29th	270·5	263·8	9th	275·7	*275·7*	+2·0	15	— 5
249	Berezov	63 56	65 4	39·9	1017·8	1022·9	+ 6·8	276·3	283·5	11th, 12th	265·9	250·6	9th	271·1	*271·0*	+3·8	16	0
250	Obdorsk	66 31	66 35	23·7	1016·0	1019·0	+ 3·1	271·7	279·5	15th	262·0	246·0	9th	266·8	*266·9*	+4·3	8	0
251	Sourgout	61 15	73 24	? 40	1014·2	1019·3	+ 1·5	..	280·6	15th	263·9	240·0	1st	..	*270·1*	+1·9	19	+ 6
252	Doudinka	69 23	86 4	20	1009·9	1012·5	— 2·1	..	269·6	11th	250·4	235·8	1st	..	*256·4*	..	6	..
253	Touroukhansk	65 47	87 57	45	1010·8	1016·7	+ 1·2	..	280·2	20th	255·9	234·6	1st	..	*262·9*	+0·1	30	+ 13
254	Iakoutsk	62 1	129 43	108	997·9	1011·9	— 2·7	..	280·7	23rd	258·5	242·3	8th	..	*265·1*	+1·2	15	+ 6
262	Verkhoïansk	67 33	133 23	100	995·2	1008·4	— 6·0	..	279·9	28th	249·3	233·4	2nd, 7th	..	*260·5*	+1·3	6	+ 2
263	Markovo-sur-Anadyr	64 45	170 50	25·9	1010·8	1014·3	— 2·2	262·0	269·0	30th	250·3	235·4	5th	256·1	‡*257·4*	—0·7	13	+ 10
271	Novo-Mariinskii Post	64 45	177 33	23·5	1011·6	1014·7	+ 0·3	261·9	270·4	10th	253·6	242·9	5th	257·8	‡*258·3*	—0·2	1	— 4
272		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 105 and 106. †Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 105 and 106.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
301	Atka	52 12	174 20	7·6	..	..	..	278·2	281·9	19th, 21st	273·3	266·9	11th	275·8	..	..	220	
302	St. Paul Island	57 15	170 10	6·1	..	1010·1	+ 0·8	274·6	276·9	11th, 12th	269·6	260·8	4th	272·1	..	..	35	
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	1014·2	+ 4·2	278·1	282·4	26th, 29th	272·5	266·3	5th	275·3	..	+0·7	37	
304																		
305	Dillingham	59 0	158 28	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
306	Kodiak (Radio)	57 46	152 22	6·1	..	1011·2	+ 2·1	278·1	?282·4	2nd	271·4	265·2	4th	274·8	..	..	‡17	
309	Sitka	57 3	135 19	27·4	..	1015·9	+ 2·5	280·3	283·0	12, 14, 28	273·3	268·0	1st	276·8	*277·0*	−1·3	145	
310	Prince Rupert	54 18	130 18	51·8	1010·3	1016·8	+ 3·4	281·9	286·9	28th	274·7	269·7	2nd	278·3	*278·1*	−1·4	123	
311	Barkerville	53 2	121 35	1274	869·8	1018·0	+ 3·4	280·2	288·6	29th	268·0	255·8	2nd	274·1	*274·3*	−0·3	23	
312	Kamloops	50 42	120 29	385	973·6	1019·7	+ 2·2	290·8	299·7	20th	275·2	267·4	2nd, 3rd	283·0	*283·3*	+0·2	2	
313	Calgary	51 2	114 2	1045	893·5	1014·2	+ 0·3	288·6	297·4	20th	273·0	266·3	2nd	280·8	*280·3*	+3·4	7	
314	Fort Chipewyan	58 42	111 10	218	986·8	1014·2	..	275·2	283·0	26th	263·6	246·9	2nd	269·4	*270·3*	−1·7	21	
315	Prince Albert	53 10	106 0	442	961·2	1014·4	+ 0·2	286·3	296·3	30th	271·3	261·3	2nd	278·8	*278·4*	+3·5	41	
316	Qu'Appelle	50 30	103 47	645	937·0	1013·5	− 1·1	286·3	296·9	13th	270·8	261·3	2nd	278·6	*277·9*	+2·7	47	
317	Minnedosa	50 15	99 50	515	953·1	1014·7	− 1·7	286·3	295·8	14th	270·8	260·8	8th	278·6	*277·9*	+2·5	14	
318	Berens River	52 18	97 23	216	..	..	..	279·5	289·1	25th	269·1	255·2	8th	274·3	..	+2·5	23	
318*a*	Port Nelson	57 4	92 36	14·9	1016·8	1018·7	+ 1·7	272·4	278·6	4, 20, 21	260·2	243·0	2nd	266·3	..	+1·6	15	
319	Fort Hope	51 33	87 49	‡260	986·8	1019·6	..	279·1	290·8	13th	265·2	249·7	3rd	272·2	*272·2*	−0·2	30	
320	Moose Factory	51 14	80 30	9·1	1018·6	1019·8	+ 2·2	281·3	289·7	22nd	265·2	252·4	3rd	273·3	..	+2·7	..	
321	Fort George	53 50	79 5	97·5	..	..	..	274·5	284·7	7th	261·2	244·7	8th	267·9	*267·4*	..	..	
322	Mistassini Post	50 15	73 55	383	..	..	..	278·9	288·0	28th, 29th	263·2	248·6	4th	271·1	..	+1·0	33	
323	Hebron	58 12	62 21	15·0	1018·6	1020·5	..	..	..	..	261·3	253·2	..	..	*265·1*	..	..	
324	Natashquan	50 8	61 48	?	..	..	..	274·9	280·2	27th	264·9	254·1	18th	269·9	..	−2·3	42	
326	Belle Isle	51 53	55 23	133	994·9	1011·9	+ 0·1	271·3	278·0	30th	262·4	253·0	7th	266·9	*267·6*	−3·4	23	
334	Cahirciveen (Valencia Obs.)	51 56	10 15	13·7	1014·9	1016·6	+ 3·5	284·5	289·7	27th	278·7	276·3	25th	281·6	281·8	−0·3	44	
335	Aberdeen	57 10	2 6	26·8	1014·6	1017·9	+ 5·4	280·7	284·7	26th	275·9	271·9	16th	278·3	278·3	−1·2	11	
336	Greenwich	51 28	W 0 0	46·3	1007·7	1013·4	− 0·5	284·2	291·9	25th	276·4	273·0	3rd	280·3	279·7	−1·3	72	
337	Uccle	50 48	E 4 22	100	998·4	1010·6	− 3·5	285·6	292·7	24th	277·6	270·3	20th	281·6	281·2	−0·1	54	
338	De Bilt	52 6	5 11	3·0	1010·9	1011·3	− 2·9	285·6	294·2	25th	277·8	269·7	20th	281·7	281·3	+0·3	32	
338*a*	Hamburg	53 33	9 58	26·0	1009·1	1012·2	− 0·9	286·0	292·0	25th	277·9	273·8	21st	281·9	*281·6*	+1·1	112	
339	Copenhagen	55 41	12 36	5·0	1014·3	1014·9	+ 1·2	282·8	289·5	28th	277·3	273·6	6th	280·1	*279·9*	+1·5	33	
340	Potsdam	52 23	13 4	84·9	1001·1	1011·4	− 2·7	290·1	297·3	15th	278·9	273·5	20th	284·5	283·9	+3·1	39	
340*a*	Upsala	59 51	17 38	24	1017·2	1020·2	+ 6·4	281·3	293·0	26th	272·1	267·5	30th	276·7	276·6	+0·8	41	
341	Warsaw	52 13	21 1	133	998·6	1014·4	+ 0·1	291·8	295·1	6th, 26th	280·8	271·3	1st	286·3	286·6	+6·0	23	
342	Dorpat (Jurjev)	58 23	26 43	74·5	1011·9	1021·2	+ 7·3	285·1	295·0	20th	275·2	270·2	17th	280·2	279·9	+3·5	9	
343	Petrograd	59 56	30 16	4·8	1021·8	1022·4	+ 8·1	281·8	292·6	27th	273·5	268·8	16th	277·6	*277·6*	+2·6	42	
344	Kiev	50 27	30 30	183	999·2	1021·4	+ 6·8	289·4	295·0	30th	278·4	267·1	1st	283·9	*283·6*	+3·7	3	
344*a*	Moscow	55 50	37 33	167	1004·6	1025·4	+ 8·9	283·2	292·4	27th	273·5	269·3	2nd	278·4	*278·2*	+1·9	21	
345	Saratov	51 32	46 3	59·9	..	..	..	..	..	..	..	..	..	..	..	..	..	
346	Kazan	55 47	49 8	79·9	1016·0	1026·1	+ 9·2	282·4	292·5	30th	273·3	257·9	1st	277·8	*277·3*	+1·3	16	
347	Orenburg	51 45	55 6	109	1011·6	1025·5	+ 7·4	278·3	291·4	30th	268·9	252·7	3rd	273·6	*273·7*	−2·7	6	
348	Perm	58 1	56 16	163	1003·6	1024·0	+ 7·7	280·7	289·5	30th	271·1	264·2	12th	275·9	*275·8*	+1·2	15	
349	Ekaterinburg	56 49	60 38	281	987·6	1022·5	+ 4·6	279·7	289·5	29th	270·5	261·3	11th	275·1	*274·9*	+0·6	8	
350	Tobolsk	58 12	68 14	?108	1008·7	1022·4	+ 3·1	278·8	291·3	29th	269·6	259·0	9th	274·2	*274·4*	+1·3	9	
351	Akmolinsk	51 12	71 23	?347	979·5	1022·5	+ 0·2	..	288·6	30th	269·5	259·4	2nd	..	*273·8*	−0·1	7	
352	Omsk	54 58	73 23	90	..	..	..	..	..	..	..	..	..	..	*273·0*	+0·2	17	
353	Barnaoul	53 20	83 48	162	..	..	..	..	..	..	..	..	..	..	..	..	..	
354	Tomsk	56 30	84 58	122	1005·5	1021·0	+ 0·8	..	289·3	30th	267·8	253·4	2nd	..	*272·2*	+0·6	22	
355	Minousinsk	53 43	91 41	249	990·8	1021·8	+ 0·5	..	290·4	25th	269·0	259·0	5th	..	*274·8*	..	12	
356	Eniseisk	58 27	92 10	77·6	1008·4	1018·3	− 0·3	..	283·6	30th	266·2	250·1	2nd	..	*271·1*	−0·2	12	
357	Irkutsk	52 16	104 19	467	961·9	1019·2	− 0·4	..	291·2	26th	267·1	254·5	4th	..	*273·2*	−0·9	14	
358	Kirensk	57 47	108 7	263	983·8	1016·9	0·0	..	286·5	25th	262·5	244·7	7th	..	*269·6*	−1·6	11	
359	Tchita	52 2	113 30	687	931·1	1014·1	− 0·6	..	289·7	27th	264·0	252·5	5th	..	*272·3*	−0·9	6	
360	Nertchinskii Zavod	51 19	119 37	626	936·4	1011·6	− 2·2	..	291·3	28th	266·2	259·6	5th	..	*273·8*	+1·3	1	
361	Tygan Ourkan	54 5	124 46	379	962·4	1008·7	..	280·3	293·6	28th	264·7	253·9	6th	272·5	*273·0*	..	39	
362	Blagoveshchensk (Bureau Météor.)	50 16	127 30	142	992·4	1009·9	− 1·1	283·9	294·6	28th	270·6	262·7	8th	277·2	*276·9*	+2·1	10	
363	Paikanskii Sklad	50 11	130 7	?145	991·5	1009·6	..	282·6	292·6	28th	267·0	254·6	8th	274·8	*274·7*	..	14	
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	1007·1	1009·8	− 0·9	..	284·1	30th	265·9	253·9	9th	..	*271·4*	+1·5	35	
366	Okhotsk	59 21	143 12	6·0	1008·6	1009·4	− 4·4	271·8	279·3	26th	263·7	253·5	8th	267·8	*268·2*	+1·6	6	
367																		
368	Petropavlovsk (Radio)	53 0	158 39	13·5	1008·3	1010·0	+ 2·3	277·1	282·9	18th	269·7	265·0	2nd	273·4	*273·4*	..	84	
369																		
371	Attu Island	52 56 N.	173 13 E.	4·9	..	1010·5	+ 2·7	277·4	280·8	28th, 29th	272·2	269·1	12, 15, 21	274·8	..	..	109	
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 106 and 107. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N. APRIL—ZONE 4.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	70·1	1010·1	1018·7	+ 1·4	286·3	294·1	21st	278·0	273·6	1st	282·2	281·9	+0·8	9	− 35
412	Portland, Oregon	45 32	122 41	46·6	1013·5	1018·9	+ 1·2	290·4	300·8	20th	278·7	273·0	3rd	284·6	*284·6*	+0·9	29	− 49
413	Macleod	49 44	113 24	953	..	..	..	286·6	297·4	21st	272·0	261·3	2nd	279·3	*279·5*	+0·2	8	− 6
414	Helena	46 34	112 4	1253	873·0	1016·9	+ 2·3	283·5	293·6	30th	271·8	261·9	2nd	277·7	*277·5*	−1·9	14	− 14
414*a*	Salt Lake City	40 46	111 54	1329	865·2	1013·2	+ 0·3	286·7	296·3	9th	276·7	268·6	4th	281·7	*281·9*	−1·2	15	− 36
415	Cheyenne	41 8	104 48	1856	809·7	1015·2	+ 1·9	279·6	289·1	10th	269·5	260·2	24th	274·6	*274·8*	−3·5	100	+ 56
416	North Platte	41 8	100 45	859	916·4	1016·6	+ 2·9	284·6	294·1	12th	273·3	269·1	3rd	278·9	*278·9*	−3·5	64	+ 10
416*a*	Bismarck	46 47	100 38	511	954·9	1016·2	+ 0·7	285·0	295·2	25th	273·2	264·1	2nd	279·1	*278·8*	−0·1	54	+ 12
417	Winnipeg	49 53	97 7	232	986·8	1015·2	− 1·8	285·8	296·3	14th	271·9	260·8	8th	278·8	*278·1*	+2·6	34	− 4
418	Duluth	46 47	92 6	345	975·1	1017·3	+ 1·1	280·2	289·1	25th	270·6	261·3	8th	275·4	*275·3*	−0·8	51	+ 6
419	Port Arthur	48 27	89 12	196	993·2	1017·6	+ 0·7	279·7	287·4	25th	269·1	259·7	8th	274·4	*274·1*	0·0	33	− 6
420	Chicago	41 53	87 37	251	986·4	1016·9	+ 1·0	282·7	297·4	16th	276·6	271·3	9th	279·7	*279·6*	−1·3	87	+ 17
421	Toronto	43 40	79 24	116	1003·7	1018·1	+ 2·4	284·7	293·6	15th	274·1	268·0	9, 10, 19	279·4	278·8	+1·2	36	− 25
422	New York (Central Park)	40 46	73 58	30·2	1013·3	1017·0	+ 1·3	287·9	298·6	2nd	278·8	273·0	11th, 12th	283·4	283·1	+0·6	118	+ 32
423	St. John, N.B.	45 17	66 4	36·2	1011·8	1016·3	+ 3·0	281·9	288·6	23, 27, 29	271·9	265·8	18th	276·9	276·7	0·0	65	− 24
424	S.W. Point, Anticosti	49 24	63 33	9·1	1014·7	1015·9	+ 3·6	275·2	279·7	13, 26, 28	269·1	260·8	17th	272·2	*272·3*	−0·4	53	+ 19
424*a*	Sable Island (Main Station)	43 57	60 6	7·6	1015·9	1016·9	+ 2·7	276·9	283·6	29th	273·0	269·1	8th	274·9	*274·7*	−1·2	36	− 57
425	Port aux Basques	47 35	59 10	9·1	1012·8	1014·0	+ 0·5	276·3	281·9	13th, 28th	269·7	261·9	8th	273·0	*272·9*	−0·6	65	− 29
426	St. John's, Newfoundland	47 34	52 42	38·1	1006·4	1011·2	− 0·1	278·0	286·3	30th	271·3	266·3	17th, 20th	274·7	*274·4*	−0·2	92	− 13
435	Madrid	40 24	3 41	655	935·1	1011·5	− 3·6	291·9	298·8	26th	276·8	269·2	9th	284·3	283·0	−0·9	26	− 17
436	Nantes	47 15	W 1 34	36·5	1007·3	1011·7	− 2·9	285·9	290·5	12th	277·3	271·7	20th	281·6	281·5	−2·2	41	− 6
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1005·6	1011·8	− 2·9	285·7	292·0	11th	277·9	270·6	21st	281·8	281·5	−1·4	52	+ 8
438	Marseilles	43 18	5 23	75	..	1009·3	− 3·4	289·9	294·4	27th	280·0	275·6	21st	284·9	*283·9*	−1·7	98	+ 51
438*a*	Zurich	47 23	8 33	493	952·0	1010·4	− 4·1	287·3	296·6	14th	277·7	273·4	19th	282·5	281·7	−0·1	63	− 28
439	Rome	41 54	12 27	45	1005·6	1011·0	− 1·9	290·7	294·1	12th	283·1	279·2	3rd	286·9	*286·8*	+0·2	164	+ 96
440	Vienna	48 15	16 22	203	985·7	1010·0	− 3·6	280·6	293·1	30th	280·4	273·9	1st	285·0	284·8	+2·4	55	+ 5
440*a*	Buda-Pesth	47 31	19 2	130	996·8	1012·3	− 1·1	293·0	297·0	27th	280·8	274·1	1st	286·9	*286·6*	+3·2	39	− 19
441	Sofia	42 42	23 20	550	950·8	1015·2	+ 2·0	291·5	295·2	13th	278·3	270·8	1st	284·9	*284·6*	+1·7	17	+ 37
442	Bucharest	44 25	26 5	82	1006·9	1017·0	+ 2·7	291·5	295·5	25th, 26th	277·8	272·5	1st, 6th	284·7	284·1	−0·2	16	− 31
443	Odessa (University)	46 26	30 46	42·8	1014·0	1019·3	+ 4·4	285·7	291·3	25th	279·0	271·9	7th	282·4	*281·5*	+0·2	21	− 4
444	Kharkov (University)	50 0	36 14	140	1006·3	1023·5	+ 8·1	287·7	295·1	30th	275·6	271·5	2nd	281·6	*281·7*	+1·7	0	− 35
444*a*	Novorossiisk	44 44	37 49	37·1	1012·6	1017·1	+ 2·2	288·3	293·6	17th	280·1	274·4	1st	284·2	*284·1*	+0·7	16	− 33
445	Tiflis	41 43	44 48	404	970·3	1018·4	+ 2·2	289·4	293·7	24th	279·4	274·4	5th	284·4	*283·9*	−0·8	92	+ 37
446	Astrakhan	46 21	48 2	−13·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
447	Fort Alexandrovsk	44 31	50 7	24·0	1017·4	1020·3	+ 4·5	286·8	293·0	19th	277·8	273·1	11th	282·3	*282·2*	−0·1	1	− 13
448	Krasnovodsk	40 0	52 59	−17·2	1020·0	1017·9	+ 2·3	289·5	295·0	18th	282·4	277·7	4th	286·0	*285·3*	−1·3	27	+ 3
449	Aralskoe More	46 47	61 42	56	1015·5	1022·5	+ 3·0	283·0	294·1	30th	..	..	..	..	*278·9*	−0·4	6	..
450	Tachkent	41 20	69 18	478	960·8	1017·0	+ 0·8	292·7	303·3	15th	280·9	272·3	4th	286·8	*286·1*	−0·9	38	− 18
451	Narynskoe	41 26	76 2	?2015	793·9	..	..	..	..	..	273·4	267·4	7th	..	*278·3*	−0·9	47	..
452	Vernyi	43 16	76 53	841	..	..	..	..	..	..	..	..	..	..	..	..	53	..
461	Mukden	41 48	123 23	43·8	1009·5	1014·9	+ 0·4	280·5	298·5	28th	275·7	269·8	6th	282·6	282·3	+1·1	10	− 16
462	Joshin	40 40	129 11	4·0	1015·1	1015·6	+ 1·8	284·9	294·6	18th	274·8	271·0	9th	279·9	279·0	−0·8	9	− 17
463	Yuki	42 20	130 24	65·6	1007·2	1015·4	..	283·5	291·8	27th	274·2	269·0	10th	278·9	278·3	..	23	..
464	Vladivostok	43 7	131 55	128	999·8	1015·7	+ 1·3	281·4	289·0	27th	274·2	266·7	8th	277·8	277·4	−0·1	11	− 20
465	Ochiai	47 20	142 44	6·6	1011·8	1012·6	+ 1·1	280·1	289·0	29th, 30th	270·0	263·9	8th	275·1	275·3	+1·9	49	− 1
466	Nemuro	43 20	145 35	26·7	1012·5	1015·8	+ 2·1	280·1	286·0	29th	273·0	269·1	5th	276·5	276·0	+0·1	81	+ 8
466*a*	Syana	45 14 N.	147 53 E.	39·3	1010·0	1014·9	+ 1·6	278·7	287·5	30th	271·1	265·2	5th	274·9	275·0	+0·7	76	+ 11

Between Latitude 40° N. and 30° N. APRIL—ZONE 5 (Western Half).

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		N	W.															
511	San Francisco	37 48	122 26	47·2	1010·8	1016·6	− 1·0	291·0	300·2	19th	283·1	280·2	13th	287·0	*286·2*	+1·1	15	− 22
512	San Luis Obispo	35 18	120 39	61·3	1008·9	1016·2	− 1·3	293·8	304·1	20th	281·2	277·4	3rd	287·5	*286·6*	+0·9	1	− 35
513	San Diego	32 43	117 10	26·5	1011·1	1014·2	− 1·6	292·4	301·9	20th	285·1	281·3	14th	288·8	*288·4*	+0·8	0	− 17
514	Modena	37 48	113 54	1670	830·3	1011·2	− 1·1	288·7	295·2	22nd	271·4	265·2	5th	280·0	*280·6*	−0·3	9	− 14
515	Santa Fé	35 41	105 57	2138	783·2	1009·8	− 1·0	286·5	292·4	26th	273·9	266·3	19th	280·2	*279·9*	−1·8	18	− 6
516	Denver	39 45	105 0	1613	834·4	1013·9	+ 1·6	284·3	293·0	9th	273·4	267·4	3rd	278·9	*278·8*	−2·9	69	+ 16
517	Abilene	32 23	99 40	530	951·1	1011·8	− 1·2	298·5	308·6	26th	283·4	274·7	21st	290·9	*290·2*	−0·8	27	− 39
518	Saint Louis	38 38	90 12	173	994·2	1014·9	− 0·4	287·7	300·2	16th	279·5	271·9	10th	283·6	*283·7*	−2·7	180	+ 90
519	Mobile	30 41	88 2	17·4	1012·5	1014·5	− 2·3	295·5	301·3	3rd	286·9	276·3	11th	291·2	*291·3*	−0·5	282	+159
520	Nashville	36 10	86 47	166	995·6	1015·6	− 0·8	292·1	301·3	3rd	281·7	272·4	10th	286·9	*286·7*	−1·4	86	− 25
521	Charleston	32 47	79 56	14·6	1013·5	1015·2	− 2·1	294·4	301·3	21st	286·6	279·1	12th	290·5	*290·7*	0·0	63	− 11
522	Washington	38 54	77 3	34·1	1012·3	1016·6	+ 0·3	290·1	300·2	17th	279·4	272·4	6th	284·8	*284·7*	0·0	167	+ 86
523	Bermuda	32 18	64 46	46·0	1013·1	1018·6	+ 1·4	294·3	297·1	23rd	288·8	284·4	7th 10th	291·5	*291·2*	+0·2	224	+126
524	Santa Cruz (Flores)	39 27	31 9	28	1019·0	1022·1	+ 1·2	290·2	292·2	28th	285·5	282·0	30th	287·9	*287·8*	−0·2	128	+ 19
530	Horta	38 32	28 38	65	1014·4	1021·6	+ 0·5	290·0	292·5	18th, 25th	285·2	282·1	30th	287·6	287·3	−1·4	90	+ 15
531	Ponta Delgada	37 44	25 40	22	1019·4	1021·2	− 0·1	289·5	291·3	26th	285·5	283·5	13th, 24th	287·5	287·5	−0·8	..	..
532	Faja da Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	85	+ 5
532*a*	Madeira (Funchal)	32 37	16 54	25	1015·9	1018·9	+ 0·2	290·8	293·0	3, 12, 27	285·8	282·6	24th	288·3	*288·3*	−1·3	47	− 1
533	Lisbon	38 43	9 9	95	1002·2	1013·7	− 2·2	289·5	294·5	28th	283·5	281·2	11th	286·5	*286·2*	−0·9	69	0
534	Gibraltar	36 6	5 21	16·2	1011·9	1013·9	− 2·8	291·2	295·2	3rd, 7th	283·7	281·9	3, 21, 22	287·4	*287·3*	−1·7	108	+ 40
535	Melilla	35 18	2 59	8	‡1013·6	‡1014·6	− 3·5	291·7	294·6	4th	283·6	280·0	1st	287·6	*288·6*	−2·5	43	− 14
536																		
536*a*																		
		N. ° ′	W. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.

RÉSEAU MONDIAL.

APRIL—ZONE 5 (Eastern Half). Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Palma	39 34	2 39	23	1011·4	1014·2	+ 0·2	289·9	293·2	27th	281·6	277·0	10th	285·8	..	−2·3	63	+ 5
538	Algiers (Bouzaréah)	36 48	3 2	343	971·0	1011·4	− 3·6	289·0	293·4	12th	282·5	276·7	9th	285·8	285·2	−1·1	89	+ 9
539	Tunis	36 48	10 10	21	1009·3	1012·0	− 1·3	293·3	298·4	13th	282·9	279·0	22nd	288·1	287·1	−0·5	42	+ 1
539a	Malta	35 54	14 31	56·4	..	1013·0	− 1·7	291·2	295·1	20th	286·3	284·1	10th	288·7	287·9	−0·4	8	− 3
540	Riposto	37 41	15 14	14·2	..	1015·1	− 0·1	290·4	292·6	15th	283·4	280·9	4th	286·9	286·6	−1·6	153	+ 81
541	Athens	37 58	23 43	107	1001·7	1014·5	+ 1·4	292·6	296·2	26th	284·4	279·5	1st	288·5	288·4	+0·6	7	− 3
542	Alexandria	31 12	29 53	32·0	1009·9	1013·7	− 0·4	298·0	305·4	20th	288·2	284·1	1st	293·1	292·1	+1·0	0	− 3
543	Cairo (Helwan)	29 52	31 20	116	998·9	1012·5	− 0·5	301·7	309·0	21st	287·8	281·8	1st	294·7	294·4	+0·6	3	− 1
544	Nicosia (P.W.D.)	35 9	33 22	159	993·5	1012·1	+ 0·1	296·2	300·2	11, 14, 30	283·1	280·2	1, 3, 8	289·7	..	+0·6	11	− 1
544a	Beirut	33 54	35 28	33·7	..	1014·0	+ 1·5	294·2	296·9	13th, 23rd	287·7	283·6	2nd	291·0	290·8	−0·3	14	+ 4
545	Baghdad	33 21	44 28	38·1	..	1011·2	− 1·2	297·8	303·1	30th	286·9	283·2	3rd	292·4	291·5	−1·9	69	+ 4
546	Busrah	30 31	47 53	7·6	1011·8	1012·9	− 0·6	300·7	305·9	27th	288·7	284·4	3rd	294·7	..	−1·8	19	− 1
546a	Lenkoran	38 46	48 51	−19·3	..	..	..	..	..	..	..	..	..	..	..	..	..	..
547	Teheran	35 41	51 25	1220	..	..	..	292·2	296·9	15th	280·6	275·0	5th	286·4	286·7	−2·1	24	− 1
548	Meshed	36 16	59 35	946	..	..	..	291·7	301·3	16th	278·6	270·2	6th	285·1	..	−2·1	42	+ 1
549	Seistan	31 0	61 30	?	..	..	..	299·4	309·4	19th	285·5	277·3	4th, 5th	292·5	..	..	6	− 3
550	Quetta	30 11	67 3	1677	833·0	..	+ 0·1	293·9	302·2	29th	279·1	270·2	6th	286·5	286·8	−1·9	11	+ 1
551	Peshawar	34 2	71 37	339	972·4	1011·2	+ 0·5	300·7	310·8	29th	287·3	278·2	8th	294·0	293·8	−1·7	67	+ 4
551a	Lahore	31 34	74 20	214	984·3	1008·9	+ 1·1	304·2	314·7	30th	289·4	283·5	9th	296·8	296·8	−3·4	41	+ 2
552	Simla	31 7	77 8	2205	780·7	..	0·0	289·1	296·0	30th	281·9	273·8	6th	285·5	285·8	−2·1	107	+ 7
552a	Leh	34 10	77 42	3503	665·7	..	− 0·5	285·8	293·5	29th	270·5	264·4	8th	278·2	277·6	−0·9	2	− 2
559	Hankow	30 35	114 17	37·0	1010·5	1014·9	− 0·6	293·8	304·3	18th	285·4	276·9	10th	289·6	289·3	−0·1	195	+ 5
560	Tientsin	39 10	117 10	5·0	1014·7	1015·3	0·0	291·5	301·0	28th	281·9	277·0	2nd, 6th	286·7	286·2	+0·2	10	− 2
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1015·0	− 0·7	292·1	302·3	18th	282·5	276·4	3rd	287·3	286·6	+0·2	74	− 2
562	Jinsen (Chemulpo)	37 29	126 37	67·6	1007·6	1015·9	+ 0·8	288·3	296·7	29th	279·5	274·7	3rd	283·9	283·2	+0·7	51	− 2
562a	Nagasaki	32 44	129 52	133	999·8	1015·8	+ 0·4	291·1	295·6	18th	283·2	279·3	12th	287·1	286·6	−0·6	184	+ 4
563	Kioto	35 1	135 44	42·9	1011·6	1016·8	+ 1·5	291·4	297·4	19th	278·6	272·8	16th	285·0	285·2	0·0	167	+ 4
564	Tokio	35 41	139 45	21·3	1014·3	1016·9	+ 1·5	289·5	296·4	19th	280·5	275·5	5th	285·0	284·7	−0·9	108	+ 1
565	Kanayama	37 53	140 46	24·6	1014·0	1017·0	+ 1·6	286·4	299·3	19th	275·3	270·8	6th	280·9	280·8	−1·7	79	− 2
566	Miyako	39 38	141 59	30·4	1013·0	1016·7	+ 1·7	286·6	298·0	19th	274·6	270·7	12th	280·6	280·0	−1·2	85	− 1

APRIL—ZONE 6. Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		N.	W.															
605	Honolulu	21 19	157 52	11·6	1013·6	1014·9	− 3·2	297·3	299·7	..	292·7	290·8	..	295·0	294·9	−0·7	174	+ 16
614	La Paz	24 10	110 20	12	1011·7	1013·1	..	..	..	..	..	..	..	..	..	..	..	..
615	Chihuahua	28 38	106 4	1423	856·0	1009·0	..	297·6	304·5	26th	282·1	277·7	20th	289·8	..	..	0	..
616	Leon	21 7	101 41	1809	819·9	1006·6	− 0·9	302·0	306·4	28th	284·3	281·0	10th	293·1	293·6	−0·5	0	− 2
616a	Monterry	25 40	100 18	528	950·4	1008·8	..	302·4	309·4	3rd	290·7	284·4	9th	296·5	295·8	..	25	+ 2
617	Tulancingo	20 5	98 22	2180	..	..	..	..	301·5	..	..	282·0	..	..	289·9	−0·7	71	+ 34
618	Galveston	29 18	94 50	16·5	1011·4	1013·5	− 1·8	295·8	301·3	17th	290·6	281·3	10th	293·2	293·1	−0·3	168	+ 74
618a	New Orleans	29 58	90 4	16·2	..	1014·2	− 1·9	297·1	303·0	4th	288·7	280·2	10th	292·9	292·8	−0·1	273	+ 144
619	Merida, Yuc.	20 58	89 38	22	1008·7	1011·4	..	305·8	309·0	28th	295·1	288·6	12th	300·4	299·7	..	10	− 3
620	Havana	23 8	82 21	24·3	..	1014·8	− 1·2	301·7	304·5	26th	294·2	288·7	12th	297·9	297·8	+0·8	94	+ 4
620a	Key West	24 33	81 48	6·7	1013·9	1014·5	− 2·0	300·5	303·0	27th	295·2	290·8	14th	297·8	297·8	+0·6	71	− 1
621	Nassau, Bahamas	25 5	77 21	3·7	..	1016·7	− 0·8	299·6	301·9	3, 21, 27	294·1	290·2	12th	296·8	296·7	+0·1	79	+ 3
622	Watling Island	24 0	74 26	33·5	1012·4	1016·3	− 0·3	..	302·4	5th	..	294·7	11th	..	297·9	..	..	..
633	Izaña	28 19	16 30	2367	..	765·4	..	281·2	288·6	4th	273·6	267·5	25th	277·4	276·9	..	84	− 1
634	La Laguna	28 28	16 20	547	952·9	1016·5	+ 0·5	290·4	295·4	3rd	283·1	278·4	14th	286·7	286·1	−0·8	58	− 1
637	Insalah	27 1	W 2 21	?280	..	..	..	307·4	312·3	30th	287·6	283·0	2nd	297·5	298·9	0·0	0	− 2
641	Siwa	29 12	E 25 29	−23	..	..	..	..	..	..	..	..	..	..	..	..	..	..
642																		
643	Aswan	24 2	32 53	99·6	999·1	1010·6	− 0·5	307·9	316·8	23rd	291·1	284·2	1st, 2nd	299·5	299·0	+0·3	..	..
644	Tor	28 14	33 37	1·9	1010·7	1010·9	− 0·1	301·0	307·5	30th	288·9	282·5	4th	294·9	294·5	+0·1	..	..
647	Bushire	28 59	50 53	4·3	1011·6	1012·2	+ 0·6	298·8	306·1	26th	291·3	286·9	3rd	295·1	294·4	−1·4	10	+ 1
648	Jask	25 44	57 47	4·0	1010·9	1011·5	+ 1·1	301·7	306·3	30th	293·9	290·4	9th	297·8	297·1	−1·7	21	+ 1
649	Robat	29 45	60 55	?	907·3	..	..	300·8	309·5	28th	284·6	273·6	6th	292·7	..	..	5	− 2
649a	Karachi	24 53	66 57	4·0	1010·1	1010·6	+ 1·4	300·9	306·7	27th	295·2	290·2	7th	298·1	297·4	−1·4	0	− 2
650	Jacobabad	28 17	68 29	56·7	1002·7	1009·1	+ 1·7	309·4	318·8	30th	293·0	284·2	6th	301·2	300·7	−1·1	13	− 1
651	Jaipur	26 56	75 52	436	961·1	1009·3	+ 0·9	308·5	314·9	30th	292·4	284·2	6th	300·4	300·5	−2·7	1	− 2
652	Nagpur	21 8	79 5	310	974·2	1008·3	+ 0·4	313·1	316·4	25th	296·7	292·2	10th	304·9	304·7	−0·7	1	− 2
653	Allahabad	25 25	81 51	94·1	998·1	1008·7	+ 1·4	310·8	315·9	30th	294·3	289·6	8th, 15th	302·6	302·3	−1·4	1	− 2
653a	Darjiling	27 3	88 18	2266	774·8	..	− 0·9	289·8	293·7	29th	281·4	278·8	2nd, 4th	285·6	285·9	−0·4	139	+ 7
654	Calcutta	22 36	88 23	6·4	1008·1	1008·8	+ 0·7	307·7	311·4	7th	296·3	292·3	19th	302·0	301·6	−0·8	120	+ 6
655	Gauhati	26 8	91 41	59·7	1003·5	1010·3	+ 0·5	303·4	306·9	25th	292·3	288·3	10th	297·9	296·8	−0·2	71	− 2
655m	Cherrapunji	25 15	91 42	1314	867·9	..	+ 0·1	294·2	297·3	25th	286·9	283·7	18th	290·6	289·9	−0·5	287	+ 15
655a	Akyab	20 11	92 56	6·1	1009·6	1010·2	− 0·1	304·8	306·1	10th	295·2	291·3	3rd	300·0	299·7	−1·7	108	− 2
656	Mandalay	21 59	96 0	76·2	1001·3	1009·9	+ 0·9	311·5	314·3	30th	296·9	293·2	18th	304·2	303·7	−1·0	29	− 2
656a	Tengyueh	24 59	98 35	1633	832·5	..	..	293·3	298·6	30th	281·2	279·1	5, 10, 12	287·3	287·1	..	79	+ 2
657	Phu Lien	20 48	106 37	115	997·1	1010·5	− 0·2	298·9	304·5	30th	293·2	288·3	12th	296·1	295·4	0·0	79	+ 2
658	Moncay	21 31	107 51	9	1010·2	1011·2	+ 0·3	298·6	302·9	30th	292·6	286·9	12th	295·6	295·7	−0·2	80	+ 3
659	Hong Kong	22 18	114 10	33·2	..	1012·6	− 0·1	296·9	301·9	28th, 29th	292·4	287·7	13th	294·7	294·3	0·0	113	+ 6
660	Amoy	24 27	118 4	ca.3	1013·7	1014·1	− 0·9	295·3	300·2	26, 29, 30	290·1	285·2	16th	292·7	292·5	+0·3	97	+ 5
661	Taihoku, Formosa	25 2	121 31	9·3	1012·7	1013·8	− 0·2	299·4	306·8	29th	290·2	283·7	17th	294·8	294·3	+0·5	56	− 2
661a	Santo Domingo	20 28	121 59	18·7	..	..	..	302·0	305·4	30th	295·9	292·5	17th	298·9	298·6	−0·6	9	− 2
662	Naha	26 13	127 41	10·5	1013·3	1014·5	+ 0·1	297·6	301·1	29th	290·2	283·6	4th	293·9	293·7	−0·2	136	− 2
665	Titizima (Bonin Islands)	27 5	142 11	4·0	1015·5	1016·0	+ 0·1	296·7	299·6	9th	290·9	286·7	4th	293·8	293·4	−0·2	60	− 2
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 109 and 110. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 110

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N. APRIL—ZONE 7.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Colima	19 12	103 45	509	955·1	1010·2	..	305·2	307·4	9th	289·6	286·2	16th	297·4	298·4	..	0	..
716	Mexico, Tacubaya	19 42	101 7	1923	807·3	1005·8	..	298·3	303·8	28th	283·1	280·6	12th	290·7	290·6	..	27	..
717	Oaxaca	19 24	99 12	2309	773·1	1008·1	− 1·5	300·2	303·9	28th	280·9	276·9	11th	290·6	289·8	+0·1	35	+ 16
718a	Salina Cruz	16 12	95 12	56	1004·1	1008·4	..	302·1	307·5	7th	297·1	294·1	13th	299·6	299·2	..	0	..
719	San Salvador	13 42	89 13	‡665	936·7	1011·1	+ 0·6	305·3	310·4	16th	290·3	285·5	12th	297·8	296·0	−1·6	282	+ 243
720	Belize	17 29	88 12	5·2	1011·0	1011·7	− 1·4	302·4	304·4	20th	297·6	290·8	11th	300·0	299·6	+0·1	22	− 45
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1012·5	− 1·2	302·6	304·8	15th	294·1	292·4	22nd	298·3	298·2	−0·1	157	+ 80
722	Port au Prince	18 33	72 23	37·4	1009·4	1013·7	− 0·8	304·6	306·4	19th	294·3	291·9	6th	299·4	298·6	−0·4	133	− 32
723	Caracas	10 30	66 55	‡1010	899·7	..	− 0·5	299·3	303·0	14th	288·2	285·0	23rd	293·7	291·7	−1·6	30	− 12
724	Montserrat	16 41	62 9	39·6	1009·7	1014·3	− 0·7	304·0	306·3	15th	294·4	290·8	6th	299·2	298·6	..	57	..
724a	Grenada (Richmond Hill)	12 5	61 46	155	994·2	1012·1	− 0·5	301·7	303·0	2nd, 27th	295·3	293·6	25th	298·5	298·1	−0·5	41	− 19
725	Barbados	13 8	59 36	55·2	..	1013·2	− 0·9	302·4	303·3	7th	294·2	291·8	4th	298·3	298·1	−0·1	34	− 5
731	St. Vincent, C. Verde Is.	16 54	25 4	11	1012·3	1013·6	− 0·9	296·8	298·0	3rd, 17th	292·1	291·0	6, 9, 24	294·4	295·2	−0·5	0	0
732	San Tiago, C. Verde Is.	14 54	23 31	?40	1008·8	1013·4	− 0·9	298·9	303·0	3rd	293·3	292·0	6th	296·1	296·2	−0·2	0	1
733	Bathurst	13 24	16 36	1·5	..	1014·0	+ 0·5	303·8	311·3	2nd	..	..	..	..	297·8	−0·8	0	− 1
734	M'Carthy Island	13 42	14 46	1·1	..	..	..	314·9	315·8	19, 22, 24	293·4	291·3	1st	304·2	..	−0·1	0	0
735	Ségou	13 34	6 17	300	..	..	..	..	..	..	..	..	..	..	..	..	..	..
736	Timbuctoo	16 43	W 3 2	270	..	..	..	311·5	315·2	17th	295·7	287·0	2nd	303·6	303·6	−1·5	0	..
737	Sokoto	13 2	E 5 14	353	..	..	..	311·7	315·2	21st	295·5	288·6	30th	303·6	303·2	−2·3	1	− 3
738	Kaduna Capital	10 32	7 25	637	941·9	1012·5	− 0·5	306·1	309·7	16th	294·1	289·1	17th	300·1	299·6	−0·4	129	+ 45
739	Katagum	12 17	10 22	30·7	..	..	..	314·6	317·4	22nd, 23rd	295·4	288·6	1st	305·0	304·6	−0·1	23	+ 14
740	Maiduguri	11 47	13 11	361	..	..	..	315·3	319·1	12th	296·9	292·4	6th	306·1	305·7	−0·2	25	+ 15
741	El Fasher	13 32	25 18	730	..	..	..	310·6	313·0	22nd, 25th	291·6	286·2	9th	301·1	..	..	0	..
743	El Obeid	13 11	30 14	569	945·2	1008·2	+ 0·9	309·6	314·5	23rd, 25th	289·7	285·7	8th	299·7	300·4	−1·0	0	− 1
743a	Khartoum	15 37	32 33	390	963·5	1006·7	0·0	310·4	315·9	24th	293·9	288·7	1st	302·1	302·8	−1·3	0	0
744	Port Sudan	19 37	37 13	5·9	1009·6	1010·3	+ 0·2	303·3	306·5	23rd	294·4	289·5	5th, 9th	298·9	298·8	−0·4	0	− 1
745	Berbera, Somaliland	10 22	45 2	9·2	1013·0	1014·2	+ 2·7	303·5	308·0	21st	297·7	294·7	16th	300·6	300·5	−0·2	37	+ 26
746	Aden	12 45	45 3	28·7	1007·7	1010·9	− 0·6	302·8	305·7	26th	298·7	296·8	3rd	300·7	299·7	−0·7	0	− 5
751	Bombay	18 54	72 49	11·3	1009·8	1011·1	+ 0·5	304·1	305·6	26th	297·4	295·4	2nd, 4th	300·7	300·2	−0·7	0	− 1
751a	Cochin	10 58	76 21	2·7	1010·5	1010·8	+ 0·4	306·3	307·3	25th	299·2	297·4	5th	302·7	302·1	+0·3	13	− 113
752	Kodaikanal	10 14	77 28	2343	771·7	..	+ 0·1	295·4	297·7	19th	284·1	281·7	1st	289·8	289·8	+0·4	54	− 61
752a	Bangalore	12 59	77 38	920	910·5	1009·8	+ 0·2	306·8	309·3	16th	293·4	291·2	11th	300·1	299·4	−0·2	31	− 4
753	Madras	13 4	80 14	6·7	1009·4	1010·1	+ 0·1	306·9	310·3	28th	297·7	293·3	1st	302·3	301·8	−0·2	0	− 15
754	Waltair	17 45	83 16	68·9	1001·9	1009·7	+ 0·1	305·1	306·8	7th	298·2	296·5	1st	301·7	301·1	−0·2	12	− 9
755	Port Blair	11 40	92 40	17·7	1009·1	1011·0	+ 0·4	306·5	307·6	23rd, 25th	297·9	296·5	5th	302·2	301·6	−0·6	11	− 59
756	Rangoon	16 46	95 48	5·5	1010·4	1011·1	+ 0·5	308·8	310·5	11th	296·4	293·6	4th	302·6	301·3	−1·1	63	+ 25
757	Saigon	10 47	106 42	11·2	1008·1	1009·3	+ 0·3	306·8	309·4	7th	297·0	295·6	18th	301·9	301·3	−0·8	32	− 25
758	Nhatrang	12 15	109 12	3·6	1009·6	1010·0	0·0	303·4	305·6	27th, 30th	295·6	293·8	5th	299·5	299·0	−1·2	18	− 9
759	Bolinao	16 24	119 53	7·1	..	1007·7	− 1·3	306·9	309·9	24th	297·2	294·5	4th	302·1	301·3	−0·4	1	− 26
761	Vigan	17 34	120 23	12·2	..	1009·2	+ 0·2	305·4	307·1	27th	296·6	294·6	15th	301·0	300·6	−0·6	1	− 20
761a	Manila	14 35	120 59	14·2	..	1009·6	− 0·5	306·3	308·4	23rd	294·5	291·3	6th	300·5	299·9	−1·2	10	− 24
762	Ormoc	11 0	124 36	5·6	..	1008·3	− 0·5	304·8	306·1	8th	295·2	293·4	7th	300·0	299·2	−0·1	155	+ 77
765	Guam, Ladrone Is.	13 24	144 38	20·4	..	1008·3	− 1·3	302·8	303·8	24th	297·3	295·4	17th, 18th	300·1	299·8	−0·4	87	+ 41

Between Latitude 10° N. and 0°. APRIL—ZONE 8.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		N.	W.															
805	Fanning Island	3 55	159 23	3·1	..	..	..	302·2	304·7	18th	297·6	295·2	1st	299·9	299·5	−0·2	101	−333
821	Colon	9 23	79 23	11·0	..	1010·4	− 0·7	301·8	305·2	25th	297·4	295·8	23rd	299·6	299·2	−0·2	136	+ 29
822	Bogota	4 36	74 6	2645	..	..	..	..	..	..	..	..	..	..	..	..	239	+102
822a	Merida, Venez.	8 36	71 9	1641	‡841·2	..	..	296·8	300·1	14th	288·3	286·5	7th	292·6	291·4	..	141	..
824	El Peru, Guayanavieja	7 19	61 49	220	?984·5	?1009·8	− 1·1	..	..	..	292·9	290·3	17th	..	‡295·8	−0·5	108	+ 30
825	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1012·9	+ 0·1	301·1	301·9	14, 29, 30	296·4	294·7	4th	298·8	298·5	−0·9	189	+ 19
826	Paramaribo	5 49	55 9	3·7	..	..	..	302·3	304·2	6th	‡292·5	‡290·4	26th	‡297·4	297·4	−1·5	452	+202
826a	Cayenne	4 56	52 21	6	..	..	..	303·9	304·8	sev. dates	294·4	292·8	1st	299·1	297·1	−0·5	..	..
833	Conakry	9 31	13 43	16	..	..	..	..	..	..	..	..	..	..	..	..	..	..
834	Freetown, Sierra Leone	8 30	13 9	68·3	1003·4	1011·3	+ 0·3	305·1	306·3	10th, 26th	295·9	293·6	27th	300·5	299·3	−0·7	140	+ 35
835	Cape Coast Castle	5 5	1 13	?	..	..	..	..	..	..	..	..	..	..	..	..	70	− 15
836	Accra	5 33	W 0 12	25·7	..	..	..	303·6	..	..	298·1	..	..	300·8	300·4	+0·5	73	− 32
837	Lagos	6 27	E 3 24	1·8	1009·7	1009·9	− 1·3	304·2	305·4	..	297·1	294·2	..	300·7	300·2	−0·2	105	− 44
838	Zungeru	9 48	6 10	130	..	..	..	308·1	311·9	16th	296·7	293·0	23rd	302·4	301·8	−1·2	57	− 1
838a	Libreville	0 23	9 26	35	..	..	**	..	..	..	..	..	..	..	..	..	..	..
839	Yola	9 12	12 30	259	..	..	..	310·8	313·0	6, 7, 11	298·3	295·8	6th, 27th	304·6	304·0	−0·1	42	− 11
841	Wau	7 42	28 3	440	957·0	1006·0	− 1·0	309·3	312·0	9th	293·0	290·0	8th	301·1	300·5	−1·2	53	0
843	Malakal (Kodok)	9 35	31 37	394	963·3	1007·2	+ 0·9	310·5	313·3	19th	293·4	290·3	20th	301·9	301·0	..	47	+ 20
843a	Mongalla	5 11	31 47	439	957·9	1006·7	− 0·6	307·8	312·0	14th	295·4	293·0	2nd, 3rd	301·6	300·6	+0·4	44	− 62
844	Entebbe	0 5	32 29	1171	883·5	..	+ 0·1	298·9	301·9	17th	290·2	288·3	30th	294·5	293·9	0·0	276	+ 27
851	Harrar	9 42	42 30	1856	..	..	..	301·3	303·0	sev. dates	287·0	286·0	sev. dates	294·2	..	+0·4	162	+ 43
852	Minicoy	8 17	72 49	2·1	1011·2	1011·4	+ 0·9	..	..	..	..	..	..	..	..	..	20	− 55
853	Colombo Observatory	6 54	79 53	7·3	1008·

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	4 1	155 1	7·9	1009·8	1010·7	+ 0·5	304·7	306·3	5th, 20th	295·8	294·7	2, 5, 22	300·3	*299·6*	−1·0	136	+ 31
924	Manaos	3 8	60 1	43·8	..	..	..											
926	Taperinha	2 30	54 20	20·0	1008·2	1010·5	..	303·2	305·8	12th	296·0	294·4	2nd	299·6	*298·8*	−0·9	197	− 6
927	Tury assu	1 43	45 26	15·1	1008·1	1009·8	0·0	301·3	302·6	sev. dates	295·0	293·8	30th	298·1	*297·5*	..	175	− 13
928	Barra do Corda	5 30	45 16	81·0	999·7	1009·0	− 1·6	304·2	305·8	10th	294·7	293·6	6th	299·5	*298·0*	−0·4	284	− 5
929	Quixeramobim	5 16	39 15	207	987·3	1010·7	− 0·6	304·6	307·2	10th	294·1	292·5	19th	299·3	*297·9*	−0·2	83	− 56
930	Fernando Noronha	3 50	W32 25	106	998·8	1010·9	− 0·6	304·1	306·5	18th	297·0	295·4	6th	300·5	*299·9*	..	97	− 41
939	Loanda	8 49	E 13 13	59·3	..	1010·1	− 0·2	304·6	307·2	10th	294·1	292·5	19th	299·3	*297·9*	−0·2	83	− 56
940	Brazzaville	4 17	15 16	320	973·6	1009·8	− 0·2	304·1	306·5	18th	297·0	295·4	6th	300·5	*299·9*	..	97	− 41
943	Masaka	0 21	31 47	?1280	..	..	..	301·4	303·0	28th	296·9	294·2	30th	299·1	298·9	+0·1	88	− 25
944	Nairobi	1 14	36 44	1800	..	..	..	304·2	307·8	11th	293·3	292·0	10th, 11th	298·8	*298·1*	−0·9	257	+ 31
944*a*	Zanzibar	6 10	39 11	21·9	1011·1	1013·6	− 0·1	299·0	300·2	1, 5, 9,	288·6	288·0	sev. dates	293·8	*291·4*	−1·3	127	− 46
945	Lamu	2 16	40 50	3·1	..	..	..	295·8	300·8	1st, 3rd	285·2	283·0	2nd, 21st	290·5	*289·8*	−0·9	250	+ 80
947	Seychelles, Port Office	4 37	55 27	4·6	1010·3	1010·8	+ 0·2	302·4	304·8	1st	297·9	295·7	24th	300·2	*299·3*	+0·1	293	− 18
								304·7	305·2	25th	297	296·9	8th	300·8	*300·3*	−0·1	41	− 138
957	Padang	0 56	100 22	6·7	..	1010·4	− 0·6	302·6	303·6	..	299·1	298·0	..	300·8	*300·1*	+0·8	56	− 138
958	Batavia	6 11	106 50	8·0	1008·8	1009·7	+ 0·3	303·1	304·5	5th	296·0	294·5	16th	299·5	299·1	..	207	− 139
958*a*	Pontianak	0 1	109 20	2·6	..	1010·1	+ 0·3	303·2	305·1	15th	295·9	294·8	20th	299·6	299·0	−0·4	109	− 13
959	Passeroean	7 38	112 55	5·0	..	1009·9	+ 0·4	304·2	306·2	10th	296·2	295·0	26th	300·2	299·3	..	152	− 4
960	Kajoemas	7 56	114 9	1060	..	..	..	304·2	306·6	14th	295·2	293·5	6th	299·7	299·0	−0·2	79	− 78
								296·9	298·9	9th	290·4	289·2	6th	293·7	293·0	..	146	+ 6
962	Ambon	3 42	128 10	4·2	..	1008·9	+ 0·4	302·9	305·0	11th	296·3	295·2	6th	299·6	298·9	+0·2	260	+ 68
963	Manokwari	0 52	134 20	19·0	..	1007·1	− 1·8	303·5	305·6	30th	295·5	294·3	1st	299·5	298·7	..	342	
965	Daru	9 4	143 13	7·6	..	1008·7	− 1·2	301·6	..	..	..	..	..	..	*299·7*	−1·0	451	+ 113
966	Port Moresby	9 29	147 9	39·0	..	1008·9	− 1·0	303·8	..	..	296·3	..	..	300·0	*299·5*	−0·7	159	+ 71
967																		
968	Rendova	8 30	157 12	1·8	1009·2	1009·4	+ 0·6	..	..	..	..	..	..	..	..	..	150	− 139
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1009·1	1009·3	+ 0·4	304·1	306·6	15th	297·3	296·3	23rd	300·7	*300·4*	0·0	244	+ 32
970	Ocean Island	0 52 S.	169 35 E.	20·0	1004·9	1007·2	− 0·9	304·2	304·7	sev. dates	297·2	295·8	1st, 18th	300·7	*300·0*	−0·3	48	− 168

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1002	Apia, Samoa	13 48	171 46	2	..	1010·6	+ 0·8	302·6	304·0	sev. dates	295·6	294·4	15th	299·1	298·5	−0·5	105	− 235
1003	Alofi, Niue Island	19 2	169 55	36·6	..	..	..	303·2	305·8	15th, 17th	295·3	291·9	12th	299·2	*298·9*	..	105	− 63
1007	Makatea	15 47	148 14	47	1006·5	1011·9	..	305·4	306·9	10th	296·1	292·2	15th	300·8	*300·2*	+0·7	132	+ 1
1021	Arequipa	16 22	71 33	2451	760·1	..	− 1·2	292·6	294·6	12th	281·0	277·5	24th	286·8	*285·9*	−0·7	0	− 4
1022	Puerto de Arica	18 28	70 20	5	..	..	..	296·3	297·4	7th, 8th	289·8	288·0	29th, 30th	293·1	*294·4*	+2·1	0	− 4
1023																		
1024	Sucre, Bolivia	19 30	64 24	2848	729·6	..	..	290·1	295·2	23rd	279·3	276·2	11th	284·7	*284·7*	..	109	− 64
1025	Corumba	18 59	57 39	116	996·7	1010·2	..	304·3	307·6	4th	292·5	288·0	11th	298·4	..	..	93	− 51
1026	Cuyaba	15 36	56 6	165	990·5	1009·4	− 0·8	302·4	304·4	4th	296·6	294·7	22nd	299·5	*299·3*	−0·5	102	+ 15
1027	Bello Horizonte	19 55	43 55	857	917·8	1013·3	− 1·0	299·0	302·0	4th	289·6	284·7	30th	294·3	*293·6*	+0·3	85	+ 15
1028	Caetite	14 3	42 37	900	914·4	1013·1	− 0·5	299·8	302·2	11th, 25th	291·0	288·9	30th	295·4	*295·8*	+0·5	90	+ 51
1029	Ondina (Bahia)	13 0	38 31	46·6	1006·3	1011·6	− 1·4	302·3	305·0	26th	295·1	293·6	29th	298·7	*298·3*	−0·3	361	+ 81
1030	Aracaju	10 55	37 3	4·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1035	St. Helena	15 57	W 5 40	632	946·3	1017·4	+ 1·1	296·2	298·6	3rd, 15th	288·3	286·3	15th	292·2	*292·2*	+0·4	25	− 79
1042	Gwelo	19 27	E 29 49	1417	863·2	..	+ 0·3	296·2	300·2	20th	281·7	278·6	25th, 26th	288·9	..	−2·5	5	− 11
1043	Salisbury, Rhodesia	17 49	31 3	1457	858·2	..	− 0·2	296·6	299·1	9, 11, 13	283·9	280·2	8th	290·2	..	−1·6	8	− 12
1044	Zomba	15 23	35 18	‡945	908·6	1014·2	+ 0·8	298·3	301·3	19th	287·2	280·8	25th, 26th	292·7	*292·4*	−1·0	22	− 36
1045	Tananarive	18 55	47 32	1400	864·3	..	− 0·3	296·6	298·8	2nd	287·1	285·1	28th, 30th	291·8	*290·8*	−0·6	21	− 56
1046	Sainte-Marie	17 0	49 51	15	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1055	Cocos Keeling Is.	12 5	96 53	4·6	1011·1	1011·6	+ 0·6	303·6	304·2	25th	297·9	296·3	14th, 30th	300·4	..	0·0	88	− 144
1056																		
1057	Christmas Island	10 25	105 43	5·5	1007·5	1008·1	− 0·1	305·2	306·9	..	296·6	295·2	..	300·9	*300·0*	+0·2	43	− 158
1058																		
1061	Koepang	10 10	123 34	45·1	..	1009·5	+ 0·4	303·6	305·8	27th	294·5	292·8	20th	299·1	298·4	..	192	+ 134
1061*a*	Derby	17 18	123 40	16·2	1009·5	1011·5	+ 0·2	307·7	311·6	25th	295·6	291·6	10th	301·7	..	0·0	0	− 57
1062	Hall's Creek	18 13	127 46	374	970·6	1011·8	− 0·5	306·7	309·6	7th	288·7	283·0	29th	297·7	*297·2*	−0·9	0	− 23
1063	Darwin	12 28	130 51	29·6	1005·9	1009·2	+ 0·1	305·8	308·0	26th	296·7	295·2	20th	301·3	*300·1*	−0·7	25	− 23
1064	Daly Waters	16 16	133 23	211	985·8	1009·3	− 1·2	305·8	308·6	25th	291·0	287·4	28th	298·4	*297·9*	−1·5	0	− 54
1065	Mein	13 13	142 47	122	994·8	1008·5	− 0·6	303·0	305·8	26th	294·2	291·5	11th	298·6	..	−0·6	26	− 54
1066	Georgetown, Queensland	18 22	143 32	302	978·4	1012·3	+ 0·4	303·8	307·4	7th	291·7	287·4	17th	297·7	..	−1·1	3	− 54
1067	Samarai	10 37	150 40	15·2	..	1008·6	− 1·0	303·1	..	..	297·0	..	..	300·1	*299·8*	+0·4	387	+ 146
1072	Suva, Fiji	18 8 S.	178 26 E.	16·8	..	1012·3	+ 0·3	301·4	302·6	10, 11, 19	295·0	292·8	13th, 14th	298·2	*297·9*	−0·7	249	− 56
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 112 and 113. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 112 and 113.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		′ ° S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	6	..	..	..	..	..	..	..	..	..	..	..	..	354	+ 158
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1011·6	1014·8	− 0·7	289·3	292·0	1st	284·6	282·6	20th	286·9	*286·9*	−0·7	1	+ 1
1122	Iquique	20 12	70 11	9	1012·4	1013·5	− 0·8	293·9	295·6	4th	285·3	282·9	28th	289·6	*291·4*	−0·1	0	0
1123	Catamarca	28 27	65 47	510	..	1009·8	− 2·2	301·6	306·3	4th	286·7	281·1	16th	294·1	294·0	+1·1	44	+ 26
1124	Salta	24 46	65 28	1178	881·4	1010·7	− 2·1	296·2	300·4	2nd	283·9	277·6	17th	290·1	291·2	+1·2	119	+ 88
1125	Goya	29 9	59 15	26	..	1014·0	− 0·2	299·6	303·7	23rd	289·7	284·9	28th	294·7	294·1	+1·4	183	+ 68
1126	Asuncion	25 21	57 37	95	‡1003·3	‡1014·5	− 1·4	300·4	306·0	2nd	290·6	286·2	26th	295·5	294·4	−0·7	225	+ 95
1127	Curityba	25 25	49 17	908	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1128	Rio de Janeiro	22 54	W43 10	61·4	1006·6	1013·7	− 1·4	299·0	305·1	8th	294·5	292·2	29th	296·7	296·5	−0·1	133	+ 25
1139	Windhoek	22 35	E 17 5	1680	..	..	..	294·8	298·2	13th	284·8	282·5	5th	289·8	*289·8*	−2·2	5	− 35
1140																		
1141	Kimberley	28 42	24 47	1202	885·7	..	+ 1·4	298·6	302·0	11th	283·1	277·6	1st	290·8	290·6	+0·7	0	− 36
1142	Johannesburg	26 11	28 4	1806	826·7	..	+ 1·5	294·5	298·0	11th	282·1	276·0	2nd	288·3	*288·0*	0·0	0	− 52
1142*a*	Pretoria (Brooklyn)	25 46	28 13	1400	865·1	..	+ 1·1	296·7	299·9	11th	282·7	280·1	2nd	289·7	*289·4*	−0·2	1	..
1143	Durban	29 52	31 3	15·2	1019·2	1021·0	+ 1·8	298·6	301·3	15th	290·3	287·1	23rd	294·4	*293·8*	−0·2	31	− 53
1144	Lorenzo Marques	25 58	32 36	59	..	1019·0	+ 2·2	300·5	304·4	19th	290·0	288·0	23rd, 24th	295·3	294·7	−1·3	18	− 20
1147	Mauritius	20 6	57 33	55·2	1005·8	1012·2	− 1·8	300·1	302·4	6th	294·5	291·8	24th	297·3	297·0	−0·1	185	+ 71
1159	Onslow	21 43	114 57	4·3	1010·6	1011·5	− 0·4	306·5	313·0	10th	292·3	288·0	26th	299·4	..	−0·3	1	− 22
1160	Peak Hill	25 38	118 47	588	..	1011·8	− 1·5	302·3	308·3	10th	290·2	284·1	24th	296·2	..	−0·2	66	+ 35
1161	Nullagine	21 53	120 5	386	969·3	1011·8	− 1·0	306·9	310·8	8th, 9th	289·9	282·2	30th	298·4	..	+0·2	1	− 21
1162	Laverton	28 40	122 23	466	962·7	1015·8	− 1·7	300·1	306·4	10th	287·4	281·3	25th	293·7	*293·7*	0·0	108	+ 82
1163	Alice Springs	23 38	133 37	587	949·0	1014·5	− 0·8	301·0	306·9	3rd, 4th	284·3	277·7	30th	292·7	*292·9*	−0·4	0	− 20
1164	William Creek	28 55	136 21	76·2	1008·9	1017·7	− 0·6	300·1	309·7	4th	285·8	279·9	30th	292·9	*292·6*	+0·3	3	− 7
1164*a*	Boulia	22 55	139 38	146	996·6	1013·0	− 0·3	304·2	308·6	6th	288·3	283·2	29th	296·3	*296·5*	−0·1	0	− 15
1165	Thargomindah	27 58	143 43	123	1001·7	1016·0	..	301·3	311·4	3rd	287·5	282·2	29th	294·4	*294·3*	..	10	− 7
1166	Mitchell	26 32	147 52	336	978·7	1016·4	..	299·3	305·2	6th	284·1	278·6	29th	291·7	..	−0·6	74	+ 37
1167	Rockhampton	23 24	150 30	11·3	1014·2	1015·5	0·0	300·1	304·8	7th	290·2	285·5	28th	295·2	..	−1·5	86	+ 26
1168	Brisbane	27 28	153 2	11·6	1017·4	1018·6	+ 1·0	297·7	303·1	6th	287·8	285·1	29th	292·8	*291·9*	−1·5	43	− 48
1169	Ouitchambo	21 52	166 3	38	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1170	Norfolk Island	28 58 S.	168 3 E.	15·2	1015·2	1017·0	− 0·3	296·1	299·7	9th	291·3	286·3	6th	293·7	..	+0·3	58	− 47

Between Latitude 30° S. and 40° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1221	Juan Fernandez	33 37	78 50	10	..	..	..	292·9	296·8	4th	287·6	284·0	30th	290·3	*290·5*	+0·2	86	+ 1
1221*a*	Punta Tumbes	36 37	73 6	91	‡1003·8	‡1014·8	− 1·6	289·8	292·4	2nd	282·9	279·5	14th	286·3	*286·0*	0·0	64	+ 20
1222	Punta Angeles, Valparaiso	33 1	71 38	41	1009·5	1014·4	− 1·5	292·7	297·9	9th	283·1	280·2	25th	287·9	*287·2*	−1·2	64	+ 53
1222*a*	Santiago	33 27	70 42	520	954·3	1014·5	− 1·0	297·6	303·3	10th	280·6	277·1	18th	289·1	*287·9*	+1·6	26	+ 12
1223	Cordoba	31 25	64 12	423	963·4	1012·2	− 2·2	299·2	304·2	..	283·5	277·0	..	291·3	290·9	+1·2	3	− 40
1224	Bahia Blanca	38 45	62 15	25	..	1011·8	− 2·2	296·6	301·5	1st	284·6	275·7	14th	290·6	290·4	+2·1	3	− 62
1225	Buenos Ayres (Chacarita)	34 36	58 22	25	..	1014·7	− 1·7	295·9	301·4	13th	285·1	276·3	24th	290·5	290·6	+0·8	32	− 54
1226	Montevideo (Prado)	34 52	56 12	24·9	1012·6	1015·5	− 0·2	296·5	302·6	13th	284·9	278·2	8th	290·7	290·7	+0·3	27	− 91
1226*a*	Porto Alegre	30 2	W51 13	23·5	1013·3	1016·1	+ 0·3	297·7	303·2	15th	288·5	283·6	27th	293·1	292·8	−0·8	140	+ 15
1239	Cape Town	33 56	E 18 29	12·2	..	1016·4	0·0	297·8	309·3	5th	284·8	279·1	10th	291·3	*289·5*	+0·9	26	− 25
1240	Danger Point	34 37	19 18	27·7	1013·7	1017·0	..	293·4	308·0	6th	286·4	281·3	20th	289·9	..	..	27	..
1241	Riversdale	34 6	21 16	?61	1004·7	..	..	300·2	308·6	3, 7, 21	282·7	276·9	20th	291·4	..	..	4	..
1242	East London	33 1	27 54	9·8	1016·7	1017·9	+ 1·0	295·9	300·8	9th	288·1	283·6	21st	292·0	..	+0·3	31	− 47
1259	Perth (Observatory)	31 57	115 51	60·0	1008·8	1016·0	− 2·5	298·1	306·6	18th	289·3	285·4	11th	293·7	*293·5*	+1·5	57	+ 17
1260	Katanning	33 42	117 35	310	981·3	1017·6	− 1·0	296·2	303·6	18th	286·1	280·2	26th	291·1	..	+1·8	44	+ 14
1261	Coolgardie	30 57	121 10	423	969·1	1017·7	− 0·7	297·3	304·1	18th	286·6	280·2	24th	291·9	*291·9*	+0·5	90	+ 66
1262	Eucla	31 45	128 58	4·6	1018·1	1018·7	− 0·1	295·6	304·3	10th	288·0	280·7	26th	291·8	*291·3*	0·0	3	− 25
1263	Streaky Bay	32 48	134 13	13·1	1019·2	1020·7	+ 0·8	296·9	303·6	1st	285·1	280·8	16th, 18th	291·0	*290·4*	+0·3	13	− 13
1264	Adelaide	34 56	138 35	42·7	1016·3	1021·4	+ 1·5	295·3	301·6	12th	285·7	280·6	17th	290·5	*290·1*	−0·2	22	− 24
1265	Melbourne	37 49	144 58	35·1	1017·8	1021·9	+ 2·5	291·9	297·7	11th	283·6	277·8	21st	287·7	*287·4*	−0·6	41	− 16
1266	Bourke	30 13	145 58	110	1006·9	1019·7	+ 1·9	300·7	310·8	3rd	285·1	280·2	28th, 30th	292·9	..	−0·4	26	− 4
1267	Sydney	33 52	151 13	44·5	1015·2	1020·3	+ 1·7	294·8	301·7	4th	286·4	283·8	30th	290·6	*290·1*	−0·5	120	− 15
1268	Lord Howe Island	31 20	159 0	4·6	1019·2	1019·7	+ 0·7	295·5	299·9	6th	289·2	286·1	2nd	292·3	..	−1·0	133	− 12
1271	Auckland	36 50	174 50	38·1	..	1015·2	..	293·2	296·1	9th	287·1	284·4	14th, 27th	290·1	..	+0·9	126	+ 41
1272	Napier	39 32 S.	176 53 E.	21·3	..	1015·7	− 1·2	292·8	297·7	1st	284·1	278·3	26th	288·4	..	+0·6	47	− 17

Between Latitude 40° S. and 50° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1301	Chatham Island	43 52	170 42	104	..	..	..	..	..	..	..	..	..	..	..	..	143	+ 61
1321	Isla Huafo	43 34	74 45	140	992·7	1009·6	− 5·2	284·3	287·1	5th	281·0	277·0	22nd	282·7	*283·0*	−0·8	95	− 8
1322	Punta Galera	40 1	73 44	40	1009·2	1014·0	− 2·0	287·2	290·2	20th	283·4	280·2	14th	285·3	*285·5*	+0·6	303	+ 80
1323	Sarmiento	45 30	69 0	274	..	1004·4	..	289·6	296·0	18th	279·7	271·2	7th	284·7	284·1	+0·4	3	− 10
1324	Puerto Madryn	42 49	W64 58	14	..	1008·7	..	295·4	302·9	17th	282·0	275·4	24th	288·7	288·5	+1·5	8	− 11
1365	Launceston	41 27	E147 10	10·1	1019·4	1020·6	+ 5·2	292·1	295·2	25th	279·1	274·0	6th	285·6	*284·8*	−0·1	40	− 14
1366	Hobart	42 53	147 20	53·9	1014·3	1020·8	+ 0·4	288·5	293·1	12th	281·3	277·5	22nd	284·9	*284·1*	−0·9	51	+ 3
1370	Invercargill	46 25	168 21	5·5	..	..	..	287·8	293·6	7th	279·3	271·9	26th, 27th	283·6	..	+0·1	123	+ 12
1371	Dunedin	45 52	170 31	91·4	..	1013·4	− 1·7	287·7	291·9	9th	280·3	274·7	25th	284·0	..	+0·1	52	− 17
1371*a*	Christchurch	43 31	172 38	7·6	..	1013·2	− 3·4	289·5	296·6	17th	280·2	273·0	26th	284·9	..	−0·2	22	− 27
1372	Wellington	41 16 S.	174 46 E.	2·4	..	1015·2	− 1·9	290·5	293·5	5th	284·6	278·1	22nd	287·6	..	+0·7	90	− 11
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 113 and 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 113 and 114.

APRIL—ZONE 14. Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean. *	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		S.	W.															
1421	Islota de los Evangelistas	52 24	75 6	55	985·2	991·9	− 9·9	281·6	283·8	6th	277·4	274·2	25th	279·5	*279·3*	−0·8	416	+12
1422	Puerto de Punta Arenas	53 10	70 54	4	990·8	991·3	− 9·4	281·8	288·4	5th	275·4	272·0	24th	278·6	*278·8*	−0·8	130	+4
1423	Punta Dungeness	52 24	68 26	5	991·5	992·1	− 9·0	284·5	287·2	1st	276·8	275·3	25th	280·7	*280·6*	−0·3	73	+4
1424	Santa Cruz	50 11	68 21	12	..	996·6	− 8·7	287·1	292·2	9th	276·9	272·4	26th	282·0	282·1	+0·3	5	−3
1424*a*	Año Nuevo	54 39	64 9	50	982·5	988·5	− 9·5	280·5	283·3	9th	277·3	274·2	24th	278·9	278·9	+0·5	91	..
1425	Stanley, Falkland Is.	51 41	57 51	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1426	Cape Pembroke	51 41	57 42	21	..	996·8	− 4·3	283·4	286·3	19th	277·1	274·1	24th	280·3	280·6	+1·1	..	..
1429	S. Georgia(CumberlandBay)	54 14	36 33	4	996·7	997·2	+ 0·7	279·9	285·7	22nd	273·0	268·2	27th, 28th	276·5	*276·6*	+0·6	136	− 3
		S.	W.															

APRIL—ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys	S. 60 44	W. 44 39	7	990·2	991·1	+ 0·5	273·6	277·7	12th	269·0	260·5	25th	271·3	271·2	+1·2	47	+ 1
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 115.

† Estimates not based on at least six equally-spaced observations each day are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—APRIL 1918.

Date.	St. Helena. 1035. Direction.	St. Helena. 1035. ††Mean Velocity for the Day.	Fanning Island. 805. Direction (Beaufort).	Sierra Leone. 834. Direction and Force (Beaufort).	Entebbe. 844. Direction and Force (Beaufort).	Malden Island. 905. Direction and Force (Beaufort).	Tulagi. 969. Direction and Force (Beaufort).	Ocean Island. 970. Direction and Force (Beaufort).	Suva, Fiji. 1072. Direction and Force (Beaufort).
	9h.	m/s	.. 16h.	9h. 17h.	7h. 21h.	9h.	9h.	9h. 21h.	9h.
1	SSE	5·1	.. SE	Calm 0 Calm 0	W 3 W 3	..	SE 2	E 1 E 1	SE 3
2	SSE	3·6	.. Calm	SW 1 SW 2	N 2 W 3	ENE 2	Calm 0	E 2 E 4	SE 3
3	SSE	3·0	.. Calm	Calm 0 SW 2	N 2 W 2	E by S 2	Calm 0	E 3 E 2	SE 3
4	SSE	3·9	.. Calm	NW 1 SW 1	W 2 N 2	ENE 3	Calm 0	ESE 2 ESE 2	Calm 1
5	SSE	6·0	.. SE	Calm 0 SW 1	Calm 0 W 3	E 4	Calm 0	ESE 3 SE 1	SE 1
6	SE	6·5	.. SE	NE 1 NE 1	W 3 W 3	E by S 5	SE 2	E 2 E 2	SE 2
7	SSE	—	.. SE	E 1 E 2	W 3 W 3	ESE 3	SE 2	E 3 E 2	SE 2
8	SE	—	.. SE	NE 3 Calm 0	W 3 W 3	E 4	SE 2	E 3 E 2	SE 2
9	SE	—	.. NE	NE 1 SW 2	W 3 W 2	E 3	Calm 0	E 3 Calm 0	E 3
10	SE	—	.. SE	SW 1 Calm 0	W 2 N 2	ENE 3	SE 2	E 3 ESE 2	Calm 1
11	SE	—	.. ESE	SW 1 NE 1	W 3 W 2	E 2	SE 3	E 3 SE 1	SE 1
12	SE	—	.. NE	NE 1 W 2	Calm 0 W 2	E 3	SE 4	E 1 E 1	E 0
13	SE	—	.. SE	NE 1 Calm 0	W 2 W 3	E 3	Calm 0	E 1 Calm 0	Calm 0
14	SE	—	.. SE	NW 1 SW 1	W 2 N 2	SE 2	Calm 0	E 1 E 2	Calm 2
15	SE	—	.. SE	Calm 0 SW 1	Calm 0 W 2	E by S 3	Calm 0	E 1 Calm 0	E 2
16	SE	—	.. Calm	Calm 0 W 3	Calm 0 W 3	E by S 2	Calm 0	E 2 E 1	NE 1
17	SE	—	.. Calm	Calm 0 Calm 0	W 3 W 3	NE 2	SE 4	E 2 Calm 0	E 0
18	SE	—	.. SE	NE 1 SW 2	E 4 SW 2	NE 2	SE 2	ESE 2 E 1	Calm 0
19	SE	—	.. SE	NE 1 Calm 0	W 3 S 3	E by S 2	SE 2	E 1 E 1	Calm 2
20	SE	—	.. SE	SW 1 Calm 0	W 3 W 3	SE 3	Calm 0	E 2 E 1	W 2
21	SE	—	.. SE	W 1 W 2	W 2 W 2	E 3	SE 4	Calm 0 SE 1	NW 1
22	SE	—	.. SE	SW 4 W 3	W 3 W 3	E by S 3	Calm 0	SE 2 E 1	SE 0
23	SE	—	.. SE	S 3 SW 2	S 2 W 3	E 3	SE 4	SE 3 E 1	Calm 1
24	SE	—	.. SE	Calm 0 SW 1	W 2 W 2	E 2	Calm 0	E 3 E 2	SE 3
25	SE	—	.. SE	Calm 0 Calm 0	W 3 Calm 0	E by N 2	Calm 0	E 3 E 2	SE 4
26	SE	—	.. SE	SW 1 W 2	W 3 Calm 0	ENE 3	SE 4	E 2 E 1	SE 2
27	SE	—	.. SE	NE 1 Calm 0	W 3 W 3	ESE 2	Calm 0	E 2 E 1	SE 2
28	SE	—	.. SE	SW 2 Calm 0	W 3 W 2	SE 1	Calm 0	E 2 E 2	SE 3
29	SE	—	.. SE	NE 1 NE 2	W 2 SW 3	SE 1	Calm 0	E 2 E 2	SE 3
30	SE	—	.. SE	SW 2 Calm 0	Calm 0 SW 3	ESE 3	Calm 0	Calm 0 E 2	NW 1
Mean	..	—	..	1·0 1·1	2·2 2·4	2·6	1·2	1·9 1·3	1·6
§Resultant	140° (96)	..	130° (76)	250° (17)	270° (72)	95° (90)	135° (43)	95° (87)	120° (52)
§Normal	138° (89)	6·6	‖ 78° (77)	277° (35)	250° (41)	81° (78)	125° (36)	100° (47)	91° (53)

†† Mean velocity of the South-East Trade Wind at 632 metres.
§ Direction and "constancy." For explanation *see* Introduction.
‖ Normal refers to ½ (9+21).

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—APRIL 1918.

‡‡ *White Sea.*—The edge of the ice formed a line from Cape Sviatoy to Cape Kanin, on the north side of which a belt of winter ice 3 miles wide was lying along the coast.

‡‡ *Spitsbergen.*—Icefjord was completely free of ice by the end of month. Recherche Bay was full of drift ice.

‡‡ *Iceland.*—The coasts were free of ice, the normal duration being 8 days with ice visible.

‡‡ *Greenland Sea and Denmark Strait.*—In the offing at Angmagsalik there was ice everywhere but off Cape Dan there was a broad landwater. The area covered was 1261 by 10^3 sq km. compared with a normal of 1157 by 10^3 sq. km. On the 16th ice was observed 200 miles east of Cape Farewell in 60° N. and 27° W. So easterly a position had not been met with since the observations began in 1898. Ice was scattered here but closely packed further westward.

‡‡ *Davis Strait.*—The ice drift was continually increasing. Icebergs lay to the west of Cape Farewell. "Storis" was met with from Sagdlet to Frederikshaab, the edge about 100 miles offshore. Scattered masses of winter ice and brash were found from Frederikshaab to Holstenberg.

‡‡ *Bering Sea.*—The edge of the ice in Bristol Bay was on the 56° parallel. At Pribiloff Island where the ice had packed it was 20 m. thick.

‡‡ *Isforholdene i de Arktiske Have, 1918*, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, MAY 1918.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF MAY 1918 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

MAY—ZONE 1. Between Latitude 80° N. and 70° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr Mean *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	W.															
105	Barrow	71 23	156 17	6·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
123	Inglefield Bay	77 20	67 30	?	..	..	..	..	..	..	..	..	..	..	..	..	..	..
124																		
125	Upernivik	72 47	W56 7	18·9	1008·8	1011·2	− 5·0	275·2	280·8	4th	265·0	259·0	1st	270·1	*270·2*	+1·1	35	+ 21
139	Spitsbergen(GreenHarbour)	78 2	E 14 14	11·4	1015·4	1016·9	+ 0·6	..	276·2	30th	268·0	254·4	2nd	..	270·7	+3·0	21	+ 9
140																		
141	Gjesvaer	71 6	25 22	6·5	1016·6	1017·4	+ 3·1	..	283·8	29th	273·6	267·0	3rd	..	*275·6*	−0·1	85	+ 49
142	Mehavn	71 1	27 47	6·4	1016·2	1017·0	+ 3·0	..	285·1	29th	272·7	266·5	3rd	..	*275·0*	+0·1	38	− 5
143	Vardö	70 22	31 8	10·0	1016·0	1017·3	+ 2·3	..	280·0	30th	271·9	265·8	3rd	..	*274·0*	−0·7	44	+ 7
147	Malye Karmakouly	72 23	52 43	14·8	1016·2	1018·1	+ 5·1	..	..	..	..	..	..	..	..	..	..	..
148	Waigatz	70 24	58 47	11·2	1012·8	1014·3	− 0·5	..	‡273·6	31st	259·3	249·1	4th	..	*262·6*	..	1	..
157	Maudhavn	77 33	105 40	2·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		N.	E.															

MAY—ZONE 2. Between Latitude 70° N. and 60° N.

202	Gambel	63 51	171 35	6·1	..	..	..	274·3	277·4	25th	270·2	264·1	15th	272·3	..	..	..	..
203	Nome	64 30	165 24	6·7	..	1014·2	+ 3·4	276·2	283·0	27th, 28th	269·3	259·1	5th	272·8	*273·1*	−2·1	57	+ 34
204	Candle	65 55	161 57	2·4	..	..	..	277·3	286·9	26th	269·3	257·4	5th	273·3	..	..	4	..
205	Tanana	65 10	152 6	67·1	..	1014·9	+ 1·2	282·2	292·4	29th	271·3	261·9	18th	276·8	*277·0*	−3·5	20	− 1
206	Rampart	65 30	150 15	122	..	..	..	286·4	297·4	30th, 31st	272·1	265·2	17th	279·3	..	..	11	− 1
207	Valdéz	61 7	146 16	8·2	..	1017·3	+ 3·2	282·9	286·3	31st	273·2	269·7	9th, 18th	278·1	*278·3*	−0·8	38	− 27
208	Eagle	64 46	141 12	254	..	1011·5	+ 0·8	286·4	298·0	25th	272·6	267·4	4, 20, 22	279·5	..	+0·6	5	− 17
209	Dawson	64 4	139 20	328	971·9	1011·3	− 0·5	288·0	298·6	26th	272·4	266·3	22nd	280·2	..	−1·0	18	− 8
210	Carcross	60 11	134 34	662	..	..	..	282·6	288·6	11th	270·3	263·6	18th	276·5	..	−2·5	7	− 3
211	Fort Good Hope	66 25	128 53	65·2	1008·0	1016·3	..	278·6	290·2	26th	266·9	254·7	2nd	272·7	..	..	16	0
212	Fort Simpson	61 52	121 35	129	996·6	1012·7	..	281·9	294·7	28th	270·8	263·6	1st, 6th	276·3	..	−2·8	37	− 12
213	Hay River	60 51	115 20	161	991·7	1011·8	..	..	..	..	268·0	258·0	1st, 5th	..	‡*273·3*	..	4	..
225	Jacobshavn	69 13	51 2	12·6	1008·2	1009·8	− 5·6	..	‡281·1	3rd	269·1	261·7	1st	..	*272·9*	+0·2	8	− 6
226	Godthaab	64 11	51 43	9·0	1005·5	1006·6	− 5·2	..	‡277·2	24th, 31st	269·8	266·4	9th, 11th	..	*272·8*	−1·0	0	− 44
227	Ivigtut	61 12	48 10	5·0	1006·4	1007·0	− 4·5	..	‡282·7	22nd	272·2	265·8	10th	..	*276·2*	−1·4	65	− 29
229	Angmagsalik	65 37	37 33	31·7	1007·8	1011·7	− 3·7	280·3	285·3	23rd	273·6	268·5	15th	276·9	*276·4*	+1·9	90	+ 12
231	Stykkisholm	65 5	22 46	11·3	1010·4	1011·8	− 2·2	282·9	287·1	23rd	276·2	273·5	3rd, 7th	279·5	*279·4*	+2·1	25	− 11
232	Vestmanno	63 26	20 15	7·7	1010·0	1010·9	− 1·9	285·1	286·4	25th	278·3	274·7	15th	281·7	*280·5*	+1·1	74	− 8
233	Grimsey	66 33	17 58	22	..	..	..	279·6	286·2	27th	274·2	268·4	30th	276·9	*276·6*	+1·9	..	..
233*a*	Akureyri	65 40	18 4	6·8	1012·4	1013·2	− 1·8	..	..	..	..	..	..	..	..	..	..	..
234	Berufjord	64 40	14 19	18·0	1012·4	1014·6	+ 0·6	281·9	288·1	20th	275·2	271·7	2nd	278·5	*278·9*	+1·7	84	+ 15
235	Thorshavn	62 3	6 45	26·3	1013·2	1016·4	+ 2·0	283·2	287·0	25th	279·3	276·2	2nd	281·3	*281·1*	+1·5	68	− 17
236	Lerwick	60 9	W 1 8	**	..	1018·7	+ 5·1	‡283·7	..	..	‡279·7	..	..	‡281·7	‡*281·7*	..	24	..
237	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1014·4	1019·8	+ 5·6	288·0	295·1	23rd	280·4	275·0	2nd	284·2	*284·1*	+1·8	35	− 54
238	Christiansund	63 7	7 45	17·8	1017·5	1019·6	+ 5·4	..	280·7	13th	279·2	275·3	1st	..	*282·0*	+1·2	72	+ 10
239	Trondhjem	63 26	10 25	39·5	1015·4	1020·2	+ 6·2	285·8	290·3	13th	277·9	271·7	1st	281·9	*281·8*	+1·0	39	− 12
240	Bodö	67 17	14 24	22·4	1016·4	1019·1	+ 5·3	..	288·0	14th	276·6	270·6	10th	..	*279·2*	+0·4	89	+ 32
241	Haparanda	65 50	24 9	9·2	1017·3	1018·4	+ 4·1	281·5	289·0	30th	272·7	265·5	4th	277·1	*277·0*	0·0	23	− 6
242	Helsingfors	60 10	24 57	11·7	1017·8	1019·2	+ 4·9	285·8	295·3	19th	276·6	269·8	4th	281·2	*281·4*	+0·1	5	− 40
242*a*	Kuopio	62 54	27 40	90·3	1007·0	1018·2	+ 3·9	284·2	292·3	30th	274·6	266·6	4th	279·4	*279·8*	−0·5	14	− 24
243	Kola	68 53	33 1	6·7	1016·7	1017·5	+ 3·2	277·0	287·7	30th	270·6	264·7	3rd	273·8	*273·7*	−2·8	31	+ 8
244	Petrozavodsk	61 47	34 23	38·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
245	Arkhangelsk	64 35	40 36	6·2	1014·8	1015·6	+ 1·6	277·1	288·8	30th	268·9	260·1	8th	273·0	*272·8*	−5·2	16	− 14
246	Mezen	65 50	44 16	12·6	1012·7	1014·3	+ 0·6	274·6	289·4	31st	266·9	257·2	5th	270·8	*270·6*	−5·8	17	− 7
247	Oust-Tsylma	65 25	52 14	? 70	1003·2	1012·2	− 1·3	273·8	286·7	31st	265·0	253·6	5th	269·4	*269·2*	−6·5	9	..
248	Tcherdyn	60 24	56 31	?177	986·2	1008·1	− 5·8	279·7	291·7	17th	270·3	261·8	5th	275·0	*275·1*	−5·9	47	− 2
249	Berezov	63 56	65 4	39·9	1007·6	1012·7	− 1·5	273·5	285·5	16th	263·6	254·4	12th	268·6	*268·7*	−6·0	109	+ 75
250	Obdorsk	66 31	66 35	23·7	1009·1	1012·2	− 1·4	268·5	279·0	31st	260·6	250·4	12th	264·6	*264·4*	−6·0	20	+ 3
252	Sourgout	61 15	73 24	? 40	1003·5	1008·5	− 5·1	..	289·9	26th, 30th	268·5	256·8	15th	..	*273·8*	−2·3	23	− 10
253																		
254	Doudinka	69 23	86 4	20	1004·4	1007·0	− 5·4	..	277·0	28th	259·2	241·2	3rd	..	*262·8*	..	12	..
	Touroukhansk	65 47	87 57	45	1004·3	1010·0	− 2·7	..	286·2	28th	265·2	254·9	1st	..	*270·0*	−2·0	39	− 13
262	Iakoutsk	62 1	129 43	108	996·4	1009·7	− 0·8	..	295·9	22nd	273·1	266·1	1st	..	*280·0*	+2·2	19	+ 2
263	Verkhoïansk	67 33	133 23	100	992·8	1005·2	− 3·2	..	294·4	22nd	267·6	254·2	5th	..	*275·0*	+0·3	11	+ 4
271																		
272	Markovo-sur-Anadyr	64 45	170 50	25·9	1008·7	1012·0	− 2·8	..	..	..	265·8	256·2	17th	..	‡*270·5*	−0·4	10	+ 3
	Novo-Mariinskii Post	64 45	177 33	23·5	1009·9	1012·8	− 1·5	273·3	279·6	28th	266·8	257·5	17th	270·0	‡*270·6*	+0·4	7	− 3
		N. °	E. °	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 105 and 106. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 105 and 106.
** Height changed from 18·0 m. to 147 m. from May 17th.

MAY—ZONE 3.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
301	Atka	52 12	174 20	7·6	..	..	..	281·0	283·0	8, 19, 31	275·9	273·0	6th, 9th	278·4	..	..	68	..
302	St. Paul Island	57 15	170 10	6·1	..	1008·8	− 2·4	277·7	286·3	16th	273·1	268·0	4th	275·4	..	..	42	..
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	1007·8	− 5·0	282·4	288·0	16th	275·8	269·1	6th	279·1	..	+2·0	27	− 1
304																		
305	Dillingham	59 0	158 28	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
306	Kodiak (Radio)	57 46	152 22	6·1	..	1015·2	+ 3·7	282·3	287·4	15th	275·6	269·1	14th	278·9	..	..	‡36	..
309	Sitka	57 3	135 19	27·4	..	1016·9	+ 1·7	285·5	290·8	10th, 25th	275·7	271·9	18th	280·6	*280·6*	−0·6	139	+ 1
310	Prince Rupert	54 18	130 18	51·8	1009·5	1015·9	+ 0·6	284·1	291·9	27th	276·3	274·1	12th	280·2	*280·1*	−2·2	181	+ 1
311	Barkerville	53 2	121 35	1274	868·9	1016·0	+ 2·6	283·6	291·3	28th	271·9	268·0	9, 23, 25	277·7	*277·4*	−2·2	89	+ 1
312	Kamloops	50 42	120 29	385	970·7	1016·1	+ 0·4	293·6	301·9	12, 13, 14	279·7	273·6	26th	286·6	*286·7*	−0·6	28	− 1
313	Calgary	51 2	114 2	1045	892·6	1012·5	+ 0·6	289·1	298·6	3rd, 13th	274·7	268·0	25th	281·9	*281·3*	−0·5	34	− 1
314	Fort Chipewyan	58 42	111 10	218	985·4	1012·2	..	280·2	295·8	28th	270·8	260·8	1st	275·5	*276·4*	−4·4	23	− 1
315	Prince Albert	53 10	106 0	442	959·2	1012·0	+ 0·1	287·4	300·8	4th	273·0	267·4	20th	280·2	*279·9*	−2·2	34	− 1
316	Qu'Appelle	50 30	103 47	645	934·6	1010·2	− 2·3	288·6	302·4	4th	274·1	264·7	12th	281·3	*280·6*	−1·6	41	+ 1
317	Minnedosa	50 15	99 50	515	950·4	1011·4	− 1·9	289·1	304·1	4th	273·6	260·2	12th	281·3	*280·5*	−1·6	60	+ 1
318	Berens River	52 18	97 23	216	..	..	..	283·6	298·0	30th, 31st	272·6	260·8	12th	278·1	..	−1·0	77	+ 1
318*a*	Port Nelson	57 4	92 36	14·9	1012·8	1014·7	− 1·3	274·1	294·1	29th	263·0	252·4	10th	268·6	..	−2·2	28	+ 1
319	Fort Hope	51 33	87 49	‡260	982·0	1014·9	..	284·1	298·6	17th	270·8	258·0	14th	277·4	*277·2*	−2·4	79	+ 1
320	Moose Factory	51 14	80 30	9·1	1014·3	1015·4	− 0·8	286·3	301·9	17th	270·2	261·3	4th	278·3	..	−0·5	..	..
321	Fort George	53 50	79 5	97·5	..	..	..	278·2	288·6	19th	267·7	255·8	3rd	273·0	*272·6*	..	..	..
322	Mistassini Post	50 15	73 55	383	..	..	..	283·8	297·4	18th	271·2	258·6	4th	277·5	..	−0·9	81	+ 1
323	Hebron	58 12	62 21	15·0	1015·2	1017·1	..	..	..	..	266·3	257·1	..	..	*269·2*	..	..	..
324	Natashquan	50 8	61 48	?	..	..	..	280·1	293·9	19th	272·1	264·7	5th	276·1	..	−1·5	112	+ 1
326	Belle Isle	51 53	55 23	133	994·8	1011·6	− 0·6	275·2	279·1	18th	266·3	261·9	3rd	270·8	*271·6*	−3·6	28	− 5
334	Cahirciveen (Valencia Obs.)	51 56	10 15	13·7	1015·2	1016·9	+ 1·6	288·2	293·6	31st	282·5	278·6	6th	285·4	285·3	+1·2	68	− 1
335	Aberdeen	57 10	2 6	26·8	1014·8	1018·1	+ 3·3	286·3	294·7	29th	280·3	273·6	1st	283·3	283·3	+1·3	47	+ 1
336	Greenwich	51 28	W 0 0	46·3	1012·0	1017·6	+ 2·3	292·3	301·3	21st	280·8	276·9	3rd	286·6	286·1	+1·3	48	+ 1
337	Uccle	50 48	E 4 22	100	1004·2	1016·2	+ 0·9	293·7	304·5	22nd	282·2	277·2	1st	287·9	287·9	+2·2	36	− 1
338	De Bilt	52 6	5 11	3·0	1016·7	1017·1	+ 2·1	293·0	300·8	18th, 23rd	281·1	276·3	13th	287·1	286·9	+2·1	18	− 1
338*a*	Hamburg	53 33	9 58	26·0	1015·5	1018·6	+ 3·7	292·1	300·0	22nd, 23rd	282·4	275·8	1st	287·3	*287·1*	+2·2	28	− 1
339	Copenhagen	55 41	12 36	5·0	1019·6	1020·2	+ 5·1	288·3	295·1	18th, 23rd	281·1	274·5	1st	284·7	*284·8*	+1·2	16	− 1
340	Potsdam	52 23	13 4	84·9	1007·8	1018·1	+ 3·0	294·4	303·9	23rd	281·1	274·6	9th	287·7	287·5	+1·9	15	− 1
340*a*	Upsala	59 51	17 38	24	1017·2	1020·1	+ 6·3	289·8	299·0	18th	275·1	264·8	1st	282·5	283·2	+1·7	4	− 1
341	Warsaw	52 13	21 1	133	1002·4	1018·3	+ 4·2	292·5	301·8	20th	280·5	274·6	5th	286·5	287·2	+0·8	12	− 1
342	Dorpat (Jurjev)	58 23	26 43	74·5	1010·4	1019·6	+ 5·3	287·3	297·6	18th	275·3	268·0	5th	281·3	281·3	−1·6	2	− 1
343	Petrograd	59 56	30 16	4·8	1017·8	1018·4	+ 4·2	283·4	292·0	18th	275·2	267·8	4th	279·3	*279·4*	−2·3	32	− 1
344	Kiev	50 27	30 30	183	994·8	1016·9	+ 2·4	290·4	299·4	20th	279·3	272·4	5th	284·8	*?284·6*	−2·9	21	− 1
344*a*	Moscow	55 50	37 33	167	995·0	1015·5	+ 0·1	283·9	293·9	31st	274·1	265·7	8th	279·0	*279·1*	−6·0	33	− 1
345	Saratov	51 32	46 3	59·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
346	Kazan	55 47	49 8	79·9	1001·0	1010·9	− 4·0	284·6	291·6	27th	274·9	266·5	5th	279·8	*279·5*	−6·3	41	+ 1
347	Orenburg	51 45	55 6	109	997·6	1011·0	− 4·5	286·7	296·0	28th	277·0	268·3	6th	281·8	*281·3*	−5·7	57	+ 1
348	Perm	58 1	56 16	163	989·0	1009·0	− 5·2	282·2	291·3	18th	272·8	263·3	6th	277·5	*277·2*	−5·5	54	+ 1
349	Ekaterinburg	56 49	60 38	281	974·3	1008·5	− 6·6	282·4	295·8	28th	272·8	264·3	7th	277·6	*277·2*	−5·8	67	+ 1
350	Tobolsk	58 12	68 14	?108	966·4	1009·7	− 5·2	284·3	298·0	29th	273·7	266·6	13th	279·0	*279·2*	−2·4	60	+ 1
351	Akmolinsk	51 12	71 23	?347	971·6	1013·0	− 2·9	..	301·6	31st	275·9	268·5	11th, 12th	..	*282·8*	−2·7	18	+ 1
352	Omsk	54 58	73 23	90	..	..	..	..	..	..	..	..	..	..	*282·0*	−1·6	34	+ 1
353	Barnaoul	53 20	83 48	162	..	..	..	..	..	..	..	..	..	..	..	..	..	..
354	Tomsk	56 30	84 58	122	997·9	1012·8	− 1·8	..	299·1	24th	275·4	267·1	13th	..	*281·4*	+1·0	16	− 1
355	Minousinsk	53 43	91 41	249	985·6	1015·5	− 0·2	..	301·8	24th	276·3	269·0	18th	..	*283·4*	..	14	− 1
356	Eniseisk	58 27	92 10	77·6	1003·4	1012·9	− 1·0	..	297·6	24th	274·2	264·6	2nd	..	*281·0*	+1·4	9	− 1
357	Irkutsk	52 16	104 19	467	959·4	1014·9	+ 0·8	..	301·1	7th	273·3	266·5	14th	..	*281·8*	+0·5	15	− 1
358	Kirensk	57 47	108 7	263	982·3	1014·0	+ 1·8	..	299·9	25th	273·0	264·7	2nd	..	*281·2*	+1·1	6	− 1
359	Tchita	52 2	113 30	687	931·2	1011·6	+ 2·5	..	296·8	28th	272·0	263·3	3rd	..	*281·5*	+0·7	1	− 1
360	Nertchinskii Zavod	51 19	119 37	626	936·8	1009·7	+ 1·4	..	298·1	8th	274·2	264·5	3rd	..	*283·1*	+2·2	3	− 1
361	Tygan Ourkan	54 5	124 46	379	963·4	1008·5	..	290·1	300·0	25th	271·0	264·8	13th	280·6	*281·9*	..	12	..
362	Blagoveshchensk (Bureau Météor.)	50 16	127 30	142	990·2	1007·2	+ 0·8	292·6	305·9	9th	278·1	269·9	3rd	285·4	*285·6*	+2·8	50	+ 1
363	Paikanskii Sklad	50 11	130 7	?145	988·4	1005·8	..	291·9	304·1	9th	275·1	268·2	1st, 2nd	283·5	*284·0*	..	47	..
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	1007·2	1009·9	+ 0·4	..	291·3	27th	272·3	265·4	7th	..	*277·4*	+1·0	31	− 1
366	Okhotsk	59 21	143 12	6·0	1008·6	1009·4	− 3·8	277·7	284·1	16th	271·3	265·7	1st	274·5	*274·4*	+0·1	16	− 1
367																		
368	Petropavlovsk (Radio)	53 0	158 39	13·5	1005·5	1007·1	− 1·8	281·0	287·9	26th	274·3	271·0	11th	277·7	*277·4*	..	104	..
369																		
371	Attu Island	52 56 N.	173 13 E.	4·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 106 and 107. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 106.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

MAY—ZONE 4.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	70·1	1009·1	1017·7	+ 1·3	288·0	293·0	27, 28, 29	280·2	277·4	20th	284·1	283·6	−0·3	18	− 15
412	Portland, Oregon	45 32	122 41	46·6	1013·4	1018·9	+ 2·0	291·1	299·1	2nd	281·1	277·4	21st	286·1	*286·0*	−0·8	35	− 26
413	Macleod	49 44	113 24	953	..	..	..	289·9	299·1	4th	276·5	267·4	26th	283·2	*283·4*	+0·3	25	− 29
414	Helena	46 34	112 4	1253	871·4	1013·2	+ 0·2	288·0	300·2	3rd	276·4	270·2	10th	282·2	*282·0*	−2·1	35	− 21
414*a*	Salt Lake City	40 46	111 54	1329	863·3	1009·8	− 1·2	292·0	301·3	4th	281·1	276·3	9th	286·6	*286·5*	−1·1	34	− 18
415	Cheyenne	41 8	104 48	1856	810·0	1009·8	− 1·0	290·4	296·9	15th	276·4	269·7	10th	283·4	*283·1*	−0·5	66	+ 4
416	North Platte	41 8	100 45	859	913·3	1011·2	− 1·2	297·2	306·3	15th	281·6	273·6	10th	289·4	*288·8*	+0·8	58	− 15
416*a*	Bismarck	46 47	100 38	511	952·2	1012·5	− 1·1	292·6	306·3	4th	278·2	268·0	12th	285·4	*285·0*	−0·9	52	− 10
417	Winnipeg	49 53	97 7	232	983·0	1010·9	− 3·4	289·7	304·1	4th	275·8	263·0	12th	282·7	*282·2*	−1·2	21	− 37
418	Duluth	46 47	92 6	345	971·3	1012·5	− 2·2	286·9	303·6	5th	275·7	270·2	13th	281·3	*281·4*	+0·2	103	+ 23
419	Port Arthur	48 27	89 12	196	989·5	1013·4	− 1·7	285·2	291·9	1st, 17th	275·2	268·0	13th	280·2	*279·8*	−0·8	89	+ 37
420	Chicago	41 53	87 37	251	985·9	1015·6	+ 0·9	296·1	304·7	31st	285·2	275·2	1st	290·6	*290·1*	+3·8	116	+ 23
421	Toronto	43 40	79 24	116	1002·4	1016·4	+ 1·5	293·6	300·8	22nd	280·8	271·9	11th	287·2	286·3	+2·7	67	− 9
422	New York (Central Park)	40 46	73 58	30·2	1014·3	1017·0	+ 2·3	296·6	305·8	28th	286·3	279·1	2nd	291·4	291·2	+2·2	123	+ 41
423	St. John, N.B.	45 17	66 4	36·2	1012·0	1016·4	+ 2·6	286·3	290·8	11th, 22nd	278·6	273·0	5th	282·4	281·9	+0·7	53	− 41
424	S.W. Point, Anticosti	49 24	63 33	9·1	1012·4	1013·5	+ 1·5	279·1	289·1	19th	273·6	269·1	5th	276·3	*276·5*	−0·6	133	+ 82
424*a*	Sable Island (Main Station)	43 57	60 6	7·6	1020·0	1020·9	+ 5·2	282·4	285·2	30th	277·4	273·6	5th	279·9	*279·7*	+0·2	25	− 64
425	Port aux Basques	47 35	59 10	9·1	1014·9	1016·0	+ 2·5	279·7	288·0	18th	273·6	267·4	6th	276·6	*276·5*	−1·1	85	− 4
426	St. John's, Newfoundland	47 34	52 42	38·1	1010·0	1014·7	+ 2·1	285·8	296·9	21st	275·2	270·8	27th, 30th	280·5	*279·9*	+1·5	40	− 50
435	Madrid	40 24	3 41	655	939·9	1014·7	+ 0·1	300·3	308·1	25th	282·1	277·5	9th	291·2	289·7	+2·3	25	− 18
436	Nantes	47 15	W 1 34	36·5	1012·3	1016·7	+ 1·3	293·0	300·4	21st	282·9	277·1	2nd	288·0	287·9	+1·4	87	+ 31
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1010·8	1016·8	+ 1·3	294·1	301·5	21st	282·9	278·7	15th	288·5	288·3	+2·3	68	+ 17
438	Marseilles	43 18	5 23	75	..	1014·5	+ 1·1	295·8	301·0	26th	283·5	280·0	2nd	289·7	*289·8*	+0·7	38	− 14
438*a*	Zürich	47 23	8 33	493	958·8	1016·4	+ 0·7	294·8	301·1	19th	282·1	278·4	3rd, 29th	288·4	287·7	+1·9	42	− 68
439	Rome	41 54	12 27	45	1008·7	1014·0	− 0·1	295·7	301·0	23rd	286·0	282·0	2nd	290·8	*290·7*	+0·1	97	+ 39
440	Vienna	48 15	16 22	203	991·6	1015·7	+ 1·8	292·5	299·9	22nd	283·6	280·7	27th	288·1	288·1	+0·6	23	− 47
440*a*	Buda-Pesth	47 31	19 2	130	1000·0	1015·5	+ 1·8	295·2	300·2	21st	283·5	279·2	28th	289·4	*289·1*	+1·2	52	− 20
441	Sofia	42 42	23 20	550	951·4	1015·2	+ 2·8	294·6	301·9	24th, 25th	282·0	278·2	6th	288·3	*288·0*	+0·1	25	− 61
442	Bucharest	44 25	26 5	82	1005·7	1015·5	+ 2·0	296·6	305·0	24th	282·7	278·3	2nd	289·6	289·3	−0·6	32	− 29
443	Odessa (University)	46 26	30 46	42·8	1010·7	1015·9	+ 1·5	291·8	300·6	23rd	282·7	277·0	12th	287·2	*286·7*	−1·8	19	− 12
444	Kharkov (University)	50 0	36 14	140	998·4	1015·4	− 0·3	289·5	301·2	19th	276·6	267·0	5th	283·0	*283·3*	−4·2	25	− 19
444*a*	Novorossiisk	44 44	37 49	37·1	1010·4	1014·8	0·0	292·2	300·0	20th	283·5	276·2	6th	287·8	*287·7*	−0·6	22	− 20
445	Tiflis	41 43	44 48	404	967·6	1014·8	− 0·4	294·5	301·2	27th	284·1	279·3	1st	289·3	*288·7*	−1·8	46	− 33
446	Astrakhan	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
447	Fort Alexandrovsk	46 21	48 2	−13·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
448	Krasnovodsk	44 31	50 7	−21·5	1016·4	1013·8	− 1·5	290·4	295·0	20th	282·9	276·1	1st	286·6	*286·7*	−3·6	3	− 12
		40 0	52 59	−17·2	1016·0	1013·9	− 0·5	295·3	302·4	27th	286·9	282·1	2nd	291·1	*290·2*	−3·2	4	− 8
449	Aralskoe More	46 47	61 42	56	1007·2	1014·0	− 1·1	293·0	306·1	31st	282·0	271·7	7th	287·5	*287·8*	−3·2	18	..
450	Tachkent	41 20	69 18*	478	957·0	1011·5	− 1·2	301·5	310·2	23rd	287·0	282·3	1st	294·2	*293·7*	+0·6	29	− 4
451	Narynskoe	41 26	76 2	?2015	795·6	..	..	..	..	..	280·1	273·9	1st	..	*286·9*	+2·5	41	..
452	Vernyi	43 16	76 53	841	..	..	..	..	..	..	..	..	..	..	..	..	..	..
461	Mukden	41 48	123 23	43·8	1002·5	1007·7	− 1·1	293·9	302·8	8th	281·9	275·2	4th	287·9	287·8	−0·6	113	+ 52
462	Joshin	40 40	129 11	4·0	1008·2	1008·7	− 0·8	288·7	299·6	8th	280·2	275·3	6th	284·5	283·9	−0·2	62	+ 1
463	Yuki	42 20	130 24	65·6	1000·8	1008·8	..	288·1	300·2	9th	280·2	277·1	1st	284·1	284·0	..	132	..
464	Vladivostok	43 7	131 55	128	993·4	1008·9	− 1·4	286·7	296·4	9th	279·3	277·0	23rd	283·0	282·5	−0·1	79	+ 29
465	Ochiai	47 20	142 44	6·6	‡008·0	1008·8	− 2·1	283·7	295·7	26th	274·7	270·7	5th	279·2	279·4	+0·7	99	+ 38
466	Nemuro	43 20	145 35	26·7	1007·3	1010·6	− 0·9	284·3	291·4	3rd	276·6	274·0	10th	280·4	279·9	+0·4	107	+ 13
466*a*	Syana	45 14 N.	147 53 E.	39·3	1005·5	1010·3	− 1·1	282·5	289·5	28th	274·3	269·7	6th	278·4	278·4	0·0	72	− 8

Between Latitude 40° N. and 30° N.

MAY—ZONE 5 (Western Half).

511	San Francisco	37 48	122 26	47·2	1010·3	1016·2	+ 0·3	289·1	297·4	2nd	282·1	280·8	3rd	285·6	*284·7*	−1·4	0	− 20
512	San Luis Obispo	35 18	120 39	61·3	1009·7	1017·3	+ 1·3	292·1	304·1	1st	280·3	275·8	9th	286·2	*284·7*	−1·9	0	− 14
513	San Diego	32 43	117 10	26·5	1012·3	1015·2	+ 0·9	291·5	295·8	1st	286·5	282·4	11th	289·0	*288·8*	−0·2	0	− 8
514	Modena	37 48	113 54	1670	829·6	1009·1	− 0·9	292·4	299·7	4th	274·6	269·1	28th	283·5	*283·5*	−0·8	18	− 3
515	Santa Fé	35 41	105 57	2138	785·9	1008·8	0·0	292·5	298·6	23rd	279·8	272·4	12th	286·2	*286·1*	−0·6	26	− 1
516	Denver	39 45	105 0	1613	834·0	1009·5	− 1·1	294·3	301·3	8th	280·1	271·9	10th	287·2	*287·0*	+0·3	44	− 21
517	Abilene	32 23	99 40	530	952·1	1011·8	+ 0·4	303·2	310·2	7th	290·4	280·8	1st	296·8	*296·6*	+1·4	73	− 21
518	Saint Louis	38 38	90 12	173	995·1	1015·6	+ 1·3	299·6	305·2	30th	289·6	279·1	1st	294·6	*294·4*	+2·3	83	− 26
519	Mobile	30 41	88 2	17·4	1017·1	1019·3	+ 4·0	300·8	304·7	23rd	292·6	284·7	2nd	296·7	*296·3*	+0·2	74	− 35
520	Nashville	36 10	86 47	166	999·6	1019·3	+ 3·7	300·6	306·9	31st	288·7	276·9	2nd	294·7	*294·8*	+1·4	92	− 2
521	Charleston	32 47	79 56	14·6	1019·1	1021·0	+ 4·8	299·8	304·1	31st	292·1	283·0	2nd	295·9	*296·1*	+0·6	93	+ 10
522	Washington	38 54	77 3	34·1	1014·5	1018·6	+ 2·9	300·0	306·9	28th	287·7	278·6	2nd	293·9	*293·8*	+2·9	60	− 32
523	Bermuda	32 18	64 46	46·0	1017·4	1022·8	+ 5·1	297·6	300·1	30th	291·5	288·0	4th	294·5	*294·2*	+0·5	20	− 91
524	Santa Cruz (Flores)	39 27	31 9	28	1018·6	1021·6	+ 0·1	291·7	295·2	6th	287·1	280·4	1st	289·4	*289·2*	−0·5	82	− 23
530	Horta	38 32	28 38	65	1013·8	1021·0	− 0·4	291·4	295·4	27th, 31st	286·2	280·7	1st	288·8	289·0	−1·1	68	− 16
531	Ponta Delgada	37 44	25 40	22	1018·8	1020·7	− 0·4	291·5	295·4	26th	287·0	283·3	1st	289·3	289·2	−0·6	..	..
532	Faja da Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	77	− 12
532*a*	Madeira (Funchal)	32 37	16 54	25	1016·5	1019·5	+ 0·7	292·5	294·5	11th	287·5	285·8	4th	290·0	*290·1*	−0·8	42	+ 16
533	Lisbon	38 43	9 9	95	1004·9	1016·2	+ 0·3	294·7	301·7	24, 29, 30	286·9	283·8	6th, 7th	290·8	*290·3*	+0·8	16	− 31
534	Gibraltar	36 6	5 21	16·2	1014·7	1016·7	+ 0·4	294·1	299·1	26th	287·1	284·1	7th, 8th	290·6	*290·2*	−1·0	18	− 26
535	Melilla	35 18 N.	2 59 W.	8	‡1015·6	‡1016·6	− 0·6	294·1	296·6	28th	285·6	283·2	8th	289·8	*290·2*	−3·5	72	+ 43
536																		
536*a*																		
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Palma	39 34	2 39	23	1015·8	1018·5	+ 3·4	295·1	301·0	20th	285·7	281·8	18th	290·4	..	−0·7	51	+ ..
538	Algiers (Bouzaréah)	36 48	3 2	343	975·1	1015·1	− 0·1	293·5	299·9	27th	286·2	282·9	13th	289·9	289·1	+0·2	25	+ ..
539	Tunis	36 48	10 10	21	1012·1	1014·8	− 0·4	296·9	303·5	12th	285·8	282·0	15th	291·4	*290·6*	−0·9	30	+ ..
539*a*	Malta	35 54	14 31	56·4	..	1014·8	− 1·0	294·5	298·7	26th	288·9	286·4	1st	291·7	*290·8*	−0·2	5	− ..
540	Riposto	37 41	15 14	14·2	..	1016·4	0·0	294·6	296·6	26th	286·5	283·3	1st	290·5	*290·8*	−0·3	9	− ..
541	Athens	37 58	23 43	107	1000·4	1013·0	− 0·4	297·7	302·4	23rd	289·0	285·7	2nd	293·4	292·9	+0·3	8	− ..
542	Alexandria	31 12	29 53	32·0	1009·7	1013·4	− 0·3	300·0	311·9	31st	290·5	287·4	3rd	295·3	*294·6*	+0·7	0	− ..
543	Cairo (Helwan)	29 52	31 20	116	999·0	1012·5	+ 0·6	304·7	315·0	31st	290·0	285·0	7th	297·3	297·2	−0·4	0	− ..
544	Nicosia (P.W.D.)	35 9	33 22	159	992·8	1011·0	− 0·4	300·4	306·9	15th	286·3	281·9	4th	293·3	..	−0·5	48	+ ..
544*a*	Beirut	33 54	35 28	33·7	..	1013·7	+ 1·7	297·1	301·9	11th	289·9	286·9	5th	293·5	*293·3*	−0·8	36	+ ..
545	Baghdad	33 21	44 28	38·1	..	1006·9	− 2·7	307·0	312·4	13th	293·1	284·4	7th	300·1	*298·9*	−0·2	5	− ..
546	Busrah	30 31	47 53	7·6	1007·1	1008·2	− 2·5	307·9	314·7	19th	295·2	290·1	7th	301·6	..	−0·4	0	− ..
546*a*	Lenkoran	38 46	48 51	−19·3	..	..	..	..	..	..	..	..	..	..	..	..	..	..
547	Teheran	35 41	51 25	1220	..	..	..	301·8	306·4	15th	288·9	282·4	8th	295·3	*295·4*	+1·2	6	− ..
548	Meshed	36 16	59 35	946	..	..	..	301·9	308·2	23rd	285·3	280·1	12th	293·6	..	+1·3	0	− ..
549	Seistan	31 0	61 30	?	..	..	..	308·4	315·7	23rd	294·2	288·5	10th	301·3	..	..	0	− ..
550	Quetta	30 11	67 3	1677	830·1	..	− 1·7	305·3	308·5	23rd	285·9	282·1	1st	295·6	*295·7*	+2·8	0	− ..
551	Peshawar	34 2	71 37	339	962·6	999·3	− 4·7	315·7	319·8	23rd	296·3	291·5	3rd	306·0	*305·8*	+4·1	1	− ..
551*a*	Lahore	31 34	74 20	214	975·4	998·6	− 3·5	316·1	319·6	22nd	298·8	294·3	1st	307·4	*307·3*	+2·7	0	− ..
552	Simla	31 7	77 8	2205	779·3	..	− 0·8	296·4	299·9	28th	289·7	282·2	7th	293·1	*293·2*	+1·4	29	− ..
552*a*	Leh	34 10	77 42	3503	668·0	..	+ 0·3	296·6	299·7	24th, 30th	278·3	274·1	2nd	287·4	*287·1*	+4·4	0	− ..
559	Hankow	30 35	114 17	37·0	1006·6	1010·9	− 0·6	299·8	305·8	28th	290·3	284·3	4th	295·1	*294·6*	−0·2	95	+ ..
560	Tientsin	39 10	117 10	5·0	1008·2	1008·8	− 0·8	296·4	305·0	29th	286·8	281·0	1st	291·6	*291·1*	−1·4	36	+ ..
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1010·9	− 0·4	297·9	304·3	29th	286·7	279·3	10th	292·3	291·6	0·0	58	− ..
562	Jinsen (Chemulpo)	37 29	126 37	67·6	1002·3	1010·5	− 1·1	291·0	297·0	28th	283·6	280·4	2nd	287·3	286·8	−0·6	85	+ ..
562*a*	Nagasaki	32 44	129 52	133	996·3	1012·1	+ 0·1	294·3	299·8	30th	286·1	282·4	6th	290·2	289·8	−1·0	140	+ ..
563	Kioto	35 1	135 44	42·9	1007·5	1012·6	+ 0·8	295·4	302·6	30th	282·6	276·1	3rd	289·0	288·9	−0·6	164	+ ..
564	Tokio	35 41	139 45	21·3	1009·8	1012·3	+ 0·2	294·4	300·3	30th	285·0	279·9	6th	289·7	289·7	+0·2	123	+ ..
565	Kanayama	37 53	140 46	24·6	1009·0	1011·9	− 0·1	293·5	297·9	9th	282·1	274·8	9th	287·8	287·8	+0·6	91	+ ..
566	Miyako	39 38	141 59	30·4	1007·5	1011·1	− 0·5	291·9	298·9	3rd	280·9	274·2	6th	286·4	285·7	+0·3	74	+ ..

MAY—ZONE 6. Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		N.	W.															
605	Honolulu	21 19	157 52	11·6	1014·7	1016·0	− 1·4	299·5	301·3	..	294·1	291·3	..	296·8	*296·6*	0·0	10	− ..
614	La Paz	24 10	110 20	12	1009·0	1010·3	..	305·6	308·0	12th	291·8	288·4	11th	298·7	..	..	0	..
615	Chihuahua	28 38	106 4	1423	858·0	1008·7	..	301·2	306·5	12th, 20th	287·6	284·5	3rd	294·4	*294·7*	−1·1	52	+ ..
616	Leon	21 7	101 41	1809	821·7	1007·5	+ 1·8	303·1	305·7	12th, 20th	287·6	284·5	2nd, 24th	295·3	*294·7*	−1·1	52	+ ..
616*a*	Monterry	25 40	100 18	528	952·8	1011·0	..	302·6	307·6	11th	292·4	285·4	2nd	297·5	*296·6*	..	25	− ..
617	Tulancingo	20 5	98 22	2180	..	..	..	..	303·0	12th	..	281·5	..	..	290·1	−1·1	39	− ..
618	Galveston	29 18	94 50	16·5	1015·9	1016·9	+ 2·8	298·8	301·3	29th	295·2	289·1	2nd	297·0	*296·7*	−0·4	0	− ..
618*a*	New Orleans	29 58	90 4	16·2	..	1018·3	+ 3·4	301·7	304·1	31st	293·2	286·3	2nd	297·4	*297·3*	+0·6	71	− ..
619	Merida, Yuc	20 58	89 38	22	1011·1	1013·5	..	306·1	309·0	12th	296·0	294·6	5, 6, 7	301·0	*300·4*	..	43	− ..
620	Havana	23 8	82 21	24·3	..	1016·6	+ 2·2	301·4	304·0	12th	295·3	292·8	5th	298·3	*298·2*	−0·2	22	+ ..
620*a*	Key West	24 33	81 48	6·7	1016·3	1016·9	+ 1·9	301·1	302·4	1st	295·8	293·6	22nd	298·4	*298·3*	−0·8	132	− ..
621	Nassau, Bahamas	25 5	77 21	3·7	..	1019·5	+ 3·3	300·4	302·4	11th	295·1	293·0	5th	297·7	*297·6*	−0·7	38	− ..
622	Watling Island	24 6	74 26	33·5	1014·6	1018·5	+ 2·6	..	300·8	31st	..	294·7	3rd, 23rd	..	*298·3*	..	..	..
633	Izafia	28 19	16 30	2367	768·2	..	..	286·2	291·4	1st	277·3	271·7	4th	281·8	*281·2*	..	13	− ..
634	La Laguna	28 28	16 20	547	954·1	1017·5	+ 1·3	291·8	295·6	27th	284·6	279·6	1st	288·2	*287·6*	−1·1	26	+ ..
637	Insalah	27 1	W 2 21	?280	..	..	..	312·3	316·0	4, 14, 29	292·7	287·0	9th	302·5	*303·7*	−0·3	0	− ..
641	Siwa	29 12	E 25 29	−23	..	..	..	..	..	..	..	..	..	..	..	..	..	..
642																		
643	Aswan	24 2	32 53	99·6	997·8	1009·1	− 0·5	312·6	317·8	21st	295·1	284·0	7th	303·9	*303·4*	+1·0	..	..
644	Tor	28 14	33 37	1·9	1009·6	1009·8	0·0	304·4	314·2	21st	292·6	288·4	8th	298·5	*297·6*	+0·3	..	..
647	Bushire	28 59	50 53	4·3	1005·0	1005·5	− 2·5	303·1	310·8	20th	297·3	293·4	13th	300·2	*299·6*	−0·8	1	+ ..
648	Jask	25 44	57 47	4·0	1001·5	1002·0	− 4·4	306·8	310·3	23rd	298·7	295·6	11th	302·7	*302·1*	+0·2	0	− ..
649	Robat	29 45	60 55	?	903·0	..	..	311·8	316·4	5th	293·3	288·6	12th	302·6	..	..	0	− ..
649*a*	Karachi	24 53	66 57	4·0	1002·5	1003·0	− 2·8	304·4	306·2	10th	299·7	296·9	1st	302·0	*301·4*	+0·4	0	− ..
650	Jacobabad	28 17	68 29	56·7	993·5	999·7	− 2·9	319·7	323·7	22nd	299·9	296·9	1st	309·8	*309·4*	+1·7	0	− ..
651	Jaipur	26 56	75 52	436	954·4	1001·1	− 2·5	315·6	318·6	16th	300·7	296·2	2nd	308·1	*308·8*	+1·6	0	− ..
652	Nagpur	21 8	79 5	310	968·8	1002·5	?− 1·8	313·8	317·4	20th	300·0	295·2	27th	306·9	*306·3*	−1·4	60	− ..
653	Allahabad	25 25	81 51	94·1	990·7	1001·0	− 2·2	313·9	317·8	26th	301·2	295·4	5th	307·6	*307·2*	+0·5	1	− ..
653*a*	Darjiling	27 3	88 18	2266	773·4	..	− 1·8	291·6	295·7	11th	285·7	282·1	2nd	288·7	*288·8*	+1·2	256	+ ..
654	Calcutta	22 36	88 23	6·4	1002·0	1002·7	− 2·3	306·6	308·9	27th	297·9	294·1	6th	302·2	*301·9*	−0·9	208	+ ..
655	Gauhati	26 8	91 41	59·7	998·1	1004·8	− 2·8	306·2	311·2	27th	296·6	293·3	2nd	301·4	*300·3*	+1·8	147	− ..
655*m*	Cherrapunji	25 15	91 42	1314	864·5	..	− 2·1	295·3	299·4	11th	289·9	285·8	2nd	292·6	*292·0*	+0·6	1283	+ ..
655*a*	Akyab	20 11	92 56	6·1	1003·8	1004·5	− 3·0	303·2	306·6	6th	296·8	294·7	10th	300·0	*300·3*	−2·2	1577	+ ..
656	Mandalay	21 59	96 0	76·2	997·4	1005·9	− 1·2	308·9	314·8	1st	298·3	295·6	26th	303·6	*303·3*	−1·3	182	− ..
656*a*	Tengyueh	24 59	98 35	1633	830·6	..	..	295·1	299·7	10th	286·7	281·3	9th	290·9	*290·6*	..	245	− ..
657	Phu Lien	20 48	106 37	115	993·7	1006·9	− 1·1	303·1	308·0	31st	296·4	292·8	10th	299·8	299·0	+0·4	148	+ ..
658	Moncay	21 31	107 51	9	1006·4	1007·4	− 0·4	301·9	305·8	30th	295·5	288·6	10th	298·7	*298·4*	−0·9	570	+ ..
659	Hong Kong	22 18	114 10	33·2	..	1009·0	− 0·4	299·8	303·5	31st	295·8	292·1	5th	297·8	297·6	−0·3	169	+ ..
660	Amoy	24 27	118 4	ca.3	1010·1	1010·4	− 0·3	297·5	304·1	19th	293·6	288·6	5th	295·6	*295·3*	−0·8	219	+ ..
661	Taihoku, Formosa	25 2	121 31	9·3	1009·4	1010·5	+ 0·1	300·5	306·2	30th	293·0	288·8	11th	296·8	296·2	−0·7	322	+ 63
661*a*	Santo Domingo	20 28	121 59	18·7	..	..	..	305·7	307·8	19th, 20th	297·8	296·0	5th	301·7	*301·2*	+0·9	27	− 23
662	Naha	26 13	127 41	10·5	1010·1	1011·3	+ 0·2	299·1	302·9	27th	292·1	286·5	11th	295·6	295·6	−0·5	242	− ..
665	Titizima (Bonin Islands)	27 5	142 11	4·0	1013·2	1013·7	+ 0·6	299·9	302·3	20th	294·1	291·4	15th	297·0	296·6	+0·8	172	− ..
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 109 and 110. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 110.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Colima	19 12	103 45	509	955·6	1010·0	..	306·8	308·8	16th, 23rd	294·3	291·1	1st	300·5	*300·9*	..	2	..
716	Morelia	19 42	101 7	1923	807·9	1004·7	..	299·1	303·5	10th	286·5	284·5	11th	292·8	*292·1*	..	73	..
717	Mexico, Tacubaya	19 24	99 12	2309	774·9	1010·0	+ 0·4	299·6	303·5	12th	282·8	280·1	21st	291·2	289·8	−0·6	63	+ 12
718	Oaxaca	17 4	96 42	1563	..	..	..	..	..	..	..	..	..	..	..	..	..	..
718*a*	Salina Cruz	16 12	95 12	56	1004·6	1008·6	..	305·3	308·7	20th	298·5	296·9	2nd	301·9	*301·4*	..	46	..
719	San Salvador	13 42	89 13	‡665	937·3	1011·5	+ 1·1	307·4	309·8	28th	291·2	287·4	4th	299·3	*297·0*	−0·3	327	+ 160
720	Belize	17 29	88 12	5·2	1012·8	1013·4	+ 1·8	303·2	304·7	30th	297·4	293·8	24th	300·3	*299·9*	−0·3	40	− 106
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1013·1	+ 0·5	302·7	303·9	17th	294·3	292·3	5th	298·5	*298·1*	−0·7	205	+ 56
722	Port au Prince	18 33	72 23	37·4	1009·9	1014·2	+ 0·5	304·1	306·8	29th	294·6	292·7	11th	299·4	*298·5*	−0·7	318	+ 74
723	Caracas	10 30	66 55	‡1010	900·7	..	+ 0·5	298·8	300·7	11th, 25th	288·8	286·9	12th	293·8	*292·4*	−1·7	101	+ 30
724	Montserrat	16 41	62 9	39·6	1009·3	1014·0	− 0·9	303·9	306·3	3rd, 30th	295·9	293·0	16th	299·9	*299·4*	..	76	..
724*a*	Grenada (Richmond Hill)	12 5	61 46	155	993·7	1011·6	− 0·9	302·4	303·6	sev. dates	296·5	293·6	31st	299·5	*299·1*	+0·1	201	+ 83
725	Barbados	13 8	59 36	55·2	..	1012·9	− 1·0	302·9	304·2	17th	295·7	293·8	2nd, 6th	299·3	*299·1*	0·0	94	+ 23
731	St. Vincent, C. Verde Is.	16 54	25 4	11	1013·2	1014·5	− 0·1	297·2	298·0	4, 19, 31	292·5	291·0	1, 5, 12	294·8	*295·7*	−0·7	0	− 0
732	San Tiago, C. Verde Is.	14 54	23 31	?40	1008·9	1013·5	− 1·1	300·2	302·8	21st	294·5	293·1	6th	297·3	*297·3*	+0·3	0	− 0
733	Bathurst	13 24	16 36	1·5	..	1014·0	+ 0·6	304·7	311·3	20th	..	..	..	..	*300·1*	+0·4	1	− 4
734	M'Carthy Island	13 42	14 46	1·1	..	..	..	316·2	317·4	10, 22, 27	293·7	290·8	24th	304·9	..	−0·3	13	+ 2
735	Ségou	13 34	6 17	300	..	..	..	..	..	..	..	..	..	..	..	..	..	..
736	Timbuctoo	16 43	W 3 2	270	..	..	..	314·7	317·1	31st	298·3	293·8	4th	306·5	*306·9*	−1·2	0	..
737	Sokoto	13 2	E 5 14	353	..	..	..	310·9	314·1	14, 15, 16	296·8	288·6	10th	303·9	*303·6*	−1·4	66	+ 16
738	Kaduna Capital	10 32	7 25	637	943·3	1014·4	− 0·6	304·4	308·0	15th	293·6	289·7	31st	299·0	*298·6*	−0·3	104	− 47
739	Katagum	12 17	10 22	30·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
740	Maiduguri	11 47	13 11	361	..	..	..	314·8	318·0	15th	297·8	294·7	23rd	306·3	*306·0*	+0·2	32	+ 4
741	El Fasher	13 32	25 18	730	..	..	..	312·1	314·8	24th	293·8	287·5	11th	302·9	..	..	0	..
743	El Obeid	13 11	30 14	569	944·5	1006·7	− 0·6	313·0	315·3	13th	293·3	289·8	9th	303·1	*303·4*	+0·5	2	− 9
743*a*	Khartoum	15 37	32 33	390	963·2	1006·0	− 0·1	313·9	316·8	23rd	297·8	292·9	8th	305·9	*306·0*	−0·6	0	− 3
744	Port Sudan	19 37	37 13	5·9	1007·9	1008·5	0·0	307·8	317·0	22nd	296·2	293·0	8th	302·0	*301·9*	0·0	14	+ 13
745	Berbera, Somaliland	10 22	45 2	9·2	1007·8	1008·8	− 0·3	310·6	316·3	20th	299·6	297·4	7th	305·1	*304·9*	+1·1	3	− 5
746	Aden	12 45	45 3	28·7	1003·5	1006·7	− 2·6	306·5	308·3	21st	300·6	297·9	5th	303·5	*302·8*	−0·1	0	− 3
751	Bombay	18 54	72 49	11·3	1005·0	1006·2	− 3·3	305·0	306·6	21st	299·6	297·6	30th	302·3	*301·7*	−0·6	279	+ 263
751*a*	Cochin	10 58	76 21	2·7	991·3	1008·5	− 1·3	303·2	307·1	6th, 7th	297·5	295·3	21st	300·3	*299·7*	−1·3	615	+ 321
752	Kodaikanal	10 14	77 28	2343	768·9	..	− 2·2	292·2	296·6	3rd	284·9	282·9	7th	288·6	*288·6*	−1·1	129	− 24
752*a*	Bangalore	12 59	77 38	920	907·2	1006·5	− 1·8	303·8	308·2	4th	292·9	291·4	19th	298·4	*297·4*	−1·4	199	+ 93
753	Madras	13 4	80 14	6·7	1004·8	1005·4	− 1·6	308·9	312·3	16th	299·6	295·8	17th	304·2	*303·4*	−1·1	147	+ 122
754	Waltair	17 45	83 16	68·9	996·0	1003·7	− 2·2	306·0	309·1	22nd	299·3	294·9	5th	302·7	*302·1*	−0·6	83	+ 30
755	Port Blair	11 40	92 40	17·7	1005·6	1007·5	− 1·3	303·4	307·3	4th	298·2	296·9	16th, 21st	300·8	*300·2*	−0·8	729	+ 327
756	Rangoon	16 46	95 48	5·5	1006·7	1007·4	− 1·1	304·4	309·4	1st	297·4	295·7	27th	300·9	*299·6*	−1·3	392	+ 82
757	Saigon	10 47	106 42	11·2	1006·7	1007·9	0·0	306·2	308·4	5th, 15th	297·1	295·7	25th	301·6	*301·0*	−0·6	164	− 39
758	Nhatrang	12 15	109 12	3·6	1007·4	1007·8	0·0	305·2	306·9	27th	296·7	295·6	3rd	300·9	*300·3*	−0·8	59	− 5
759	Bolinao	16 24	119 53	7·1	..	1006·6	− 1·0	307·6	309·7	6th	298·4	296·7	26th	303·0	*302·1*	+0·3	113	− 66
761	Vigan	17 34	120 23	12·2	..	1008·1	− 0·5	306·9	308·2	6th	298·2	297·0	5, 17, 29	302·5	302·2	+0·5	96	− 62
761*a*	Manila	14 35	120 59	14·2	..	1008·5	− 0·2	307·0	308·4	19th	296·3	293·6	1st	301·7	301·1	−0·3	83	− 23
762	Ormoc	11 0	124 36	5·6	..	1007·9	− 0·2	305·3	306·4	27th, 28th	295·1	292·7	24th	300·2	*299·7*	0·0	57	− 31
765	Guam, Ladrone Is.	13 24	144 38	20·4	..	1009·0	− 0·3	303·6	304·6	10th	297·9	296·2	24th	300·7	*300·7*	−0·3	102	− 2

Between Latitude 10° N. and 0°. MAY—ZONE 8.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		N.	W.															
805	Fanning Island	3 55	159 23	3·1	..	..	..	303·1	305·2	25th	297·7	295·2	30th	300·4	*300·0*	+0·3	326	− 47
821	Colon	9 23	79 23	11·0	..	1010·0	− 0·5	301·6	304·7	31st	297·2	295·2	18th	299·4	*299·0*	−0·4	489	+ 166
822*a*	Bogota	4 36	74 6	2645	..	..	..	..	..	..	..	..	..	..	..	..	99	− 4
824	Merida, Venez	8 36	71 9	1641	‡841·5	..	..	296·5	298·4	25th	288·8	287·8	19th	292·6	*291·4*	..	446	..
825	El Peru, Guayanavieja	7 19	61 49	220	?984·6	?1009·8	− 1·0	..	..	..	293·8	291·2	16th	..	‡*296·6*	0·0	202	+ 52
826	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1013·0	+ 0·1	301·6	303·0	26, 29, 31	297·2	294·7	16th	299·4	*299·2*	−0·3	396	+ 109
826*a*	Paramaribo	5 49	55 9	3·7	..	..	..	303·5	304·9	4th	294·1	292·2	16th	298·8	*298·2*	−0·3	249	− 67
	Cayenne	4 56	52 21	6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
833	Conakry	9 31	13 43	16	..	..	..	..	..	..	..	..	..	..	..	..	..	..
834	Freetown, Sierra Leone	8 30	13 9	68·3	1003·7	1011·6	− 0·1	304·6	306·9	27th	296·3	294·1	4th	300·4	*299·2*	−0·3	272	− 14
835	Cape Coast Castle	5 5	1 13	?	..	..	..	..	..	..	..	..	..	..	..	..	206	+ 16
836	Accra	5 33	W 0 12	25·7	..	..	..	303·6	..	..	298·0	..	..	300·8	*300·4*	+1·1	125	− 21
837	Lagos	6 27	E 3 24	1·8	1011·7	1011·9	− 0·5	304·4	306·0	..	296·8	294·1	..	300·6	*300·1*	+0·3	199	− 64
838*a*	Zungeru	9 48	6 10	130	..	..	..	307·2	309·7	12, 14, 17	296·3	293·6	4th, 29th	301·7	*301·2*	−0·1	113	− 10
839	Libreville	0 23	9 26	35	..	..	..	..	..	..	..	..	..	..	..	..	..	..
841	Yola	9 12	12 30	259	..	..	..	308·5	313·0	15th	297·4	293·0	16th	302·9	*302·4*	+0·4	112	− 1
	Wau	7 42	28 3	440	958·3	1007·7	− 0·7	306·5	309·5	10th, 12th	291·6	289·0	27th	299·1	*298·7*	−1·4	149	+ 10
843	Malakal (Kodok)	9 35	31 37	394	964·7	1008·7	+ 0·6	309·4	311·1	12th, 15th	295·1	292·4	6th	302·3	*301·0*	..	38	− 28
843*a*	Mongalla	5 11	31 47	439	959·2	1008·1	− 0·5	306·6	310·0	31st	295·2	293·0	11th, 20th	300·9	*300·2*	+1·1	107	− 30
845	Entebbe	0 5	32 29	1171	884·4	..	+ 0·3	298·6	300·4	13th	290·1	286·6	1st	294·3	*294·2*	−0·1	230	+ 14
851	Harrar	9 42	42 30	1856	..	..	..	302·2	303·0	sev. dates	287·2	286·0	24th, 25th	294·7	..	+0·9	60	− 66
852	Minicoy	8 17	72 49	2·1	1009·1	1009·3	− 0·8	..	..	..	..	..	..	..	..	..	..	..
853	Colombo Observatory	6 54	79 53	7·3

MAY—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Absolute Max.	Date.	Mean Min. B.	Absolute Min.	Date.	Mean of A and B.	‡24 hr. Mean. *	Diff. from Normal.	Precipitation. Total.	Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	4 1	155 1	7·9	1009·7	1010·6	0·0	304·7	306·3	29th, 30th	297·1	295·2	14th	300·9	*300·1*	−0·4	112	+
924	Manaos	3 8	60 1	43·8	..	..	..	303·5	306·2	23rd	296·4	294·8	29th	299·9	*299·2*	−0·6	112	+
926	Taperinha	2 30	54 20	20·0	1008·6	1010·9	..	301·3	304·0	24th	295·0	293·9	3rd	298·1	*297·3*	..	472	+
927	Turyassu	1 43	45 26	15·1	1008·8	1010·5	− 0·8	304·4	306·5	22nd	295·1	293·6	10th	299·7	*298·3*	−0·4	342	+
928	Barra do Corda	5 30	45 16	81·0	1000·5	1009·8	− 1·0	303·6	306·4	7th	293·7	291·9	7th	298·7	*297·7*	+0·2	81	+
929	Quixeramobim	5 16	39 15	207	988·3	1011·8	− 0·7	303·7	305·4	7th	296·9	295·0	6th	300·3	*299·6*	+0·1	66	−
930	Fernando Noronha	3 50	W32 25	106	999·8	1012·0	− 1·9	300·7	301·8	10th	297·0	295·2	17th	298·9	*299·0*	..	44	+
939	Loanda	8 49	E 13 13	59·3	..	1011·5	− 0·4	299·5	301·0	1, 6, 13	295·5	292·9	26th	297·5	297·1	−0·2	45	+
940	Brazzaville	4 17	15 16	320	974·7	1011·0	− 0·9	304·5	307·0	19th	293·2	290·8	27th	298·9	*298·2*	0·0	66	+
943	Masaka	0 21	31 47	?1280	..	..	..	?298·4	..	..	?288·4	..	..	?293·4	*?291·1*	−1·4	99	+
944	Nairobi	1 14	36 44	1800	..	..	..	294·1	296·3	25th	284·7	280·2	14th	289·4	*288·6*	−1·0	125	+
944*a*	Zanzibar	6 10	39 11	21·9	1013·9	1016·3	+ 0·3	301·7	303·1	11th	297·2	295·9	1st	299·4	*298·8*	+0·3	245	+
945	Lamu	2 16	40 50	3·1	..	..	..	304·7	305·2	7th	296·3	294·1	7th	300·5	*300·0*	+0·2	109	+
947	Seychelles, Port Office	4 37	55 27	4·6	1010·6	1011·1	− 0·7	301·8	302·6	..	299·3	298·3	..	300·6	*299·8*	+0·4	80	+
957	Padang	0 56	100 22	6·7	..	1009·4	− 1·3	303·9	305·7	26th	296·2	295·0	24th	300·1	299·4	..	278	+
958	Batavia	6 11	106 50	8·0	1008·6	1009·5	0·0	303·2	304·3	31st	296·5	295·2	16th	299·9	299·4	−0·1	84	+
958*a*	Pontianak	0 1	109 20	2·6	..	1009·5	− 0·2	304·4	306·6	4th	296·5	295·3	29th	300·5	299·4	..	297	+
959	Passeroean	7 38	112 55	5·0	..	1010·0	+ 0·1	303·6	305·0	1st	296·0	294·0	27th	299·8	299·9	+0·4	48	+
960	Kajoemas	7 56	114 9	1060	..	..	..	297·4	298·7	18th	290·8	289·8	21st	294·1	293·3	..	27	+
962	Ambon	3 42	128 10	4·2	..	1009·4	+ 0·2	301·8	304·8	5th	296·2	294·0	28th	299·0	298·5	+0·3	538	+
963	Manokwari	0 52	134 20	19·0	..	1007·7	− 0·9	304·2	305·6	25th	296·2	294·2	31st	300·2	299·3	..	80	+
965	Daru	9 4	143 13	7·6	..	1010·0	− 0·7	301·1	..	..	..	..	..	..	‡*299·8*	−0·5	291	+
966	Port Moresby	9 29	147 9	39·0	..	1010·1	− 0·5	301·8	..	..	296·2	..	..	299·0	*298·6*	−1·1	63	+
967																		
968	Rendova	8 30	157 12	1·8	1009·3	1009·5	+ 0·3	..	..	..	..	..	..	..	..	..	405	+
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1010·2	1010·5	+ 0·7	302·9	305·0	13th	297·4	296·6	8th	300·2	*299·9*	−0·3	265	+
970	Ocean Island	0 52	169 35	20·0	1004·7	1007·0	− 1·1	304·8	305·2	sev. dates	298·2	295·2	8th	301·5	*300·8*	+0·7	98	+
		S.	E.															

MAY—ZONE 10.

Between Latitude 10° S. and 20° S.

		° ′ S.	° ′ W.															
1002	Apia, Samoa	13 48	171 46	2	..	1010·7	− 0·4	303·3	304·4	21st	295·9	294·4	18th	299·6	298·9	+0·2	38	+
1003	Alofi, Niue Island	19 2	169 55	36·6	..	..	..	302·3	304·1	5th	295·3	293·0	22, 25, 26	298·8	*298·5*	..	127	+
1007	Makatea	15 47	148 14	47	1006·3	1011·7	..	304·4	306·0	14th	294·3	291·3	28th	299·4	*298·8*	+0·4	59	+
1021	Arequipa	16 22	71 33	2451	760·9	..	− 0·8	293·1	295·1	25th	282·1	278·5	22nd	287·6	*286·7*	+0·3	0	−
1022	Puerto de Arica	18 28	70 20	5	..	..	..	294·1	295·2	1st	287·7	287·0	29th	290·9	*292·1*	+1·5	0	−
1023																		
1024	Sucre, Bolivia	19 30	64 24	2848	729·5	..	..	290·1	293·2	18th	279·0	275·0	28th	284·5	*284·6*	..	1	+
1025	Corumba	18 59	57 39	116	999·0	1012·6	..	301·0	306·2	2nd	290·3	284·6	26th	295·6	*294·4*	−2·1	69	+
1026	Cuyaba	15 36	56 6	165	992·5	1011·4	− 0·7	301·8	304·8	17th, 18th	295·9	291·5	26th	298·9	*298·5*	−0·1	47	+
1027	Bello Horizonte	19 55	43 55	857	919·9	1016·3	− 1·0	297·7	301·0	22nd	286·5	283·2	30th	292·1	*292·1*	+0·6	5	+
1028	Caetite	14 3	42 37	900	916·1	1015·1	− 0·2	298·6	302·3	26th	289·7	286·5	30th	294·2	*294·6*	+0·6	2	+
1029	Ondina (Bahia)	13 0	38 31	46·6	1008·3	1013·6	− 0·9	301·1	302·7	7th	295·1	293·0	25th	298·1	*297·8*	0·0	348	+
1030	Aracaju	10 55	37 3	4·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1035	St. Helena	15 57	W 5 40	632	947·6	1019·3	+ 1·7	294·1	296·3	5th, 6th	287·2	285·2	31st	290·7	*290·5*	+0·2	97	+
1042	Gwelo	19 27	E 29 49	1417	863·5	..	− 0·7	295·3	299·1	10th, 12th	279·3	271·9	24th	287·3	..	−1·3	4	+
1043	Salisbury, Rhodesia	17 49	31 3	1457	859·1	..	− 0·7	295·1	297·6	1st	281·0	278·0	27th	288·1	..	−0·8	1	+
1044	Zomba	15 23	35 18	‡945	910·2	1016·5	+ 0·2	296·3	299·7	9th	286·0	279·1	26th	291·1	*290·5*	−0·6	20	+
1045	Tananarive	18 55	47 32	1400	866·1	..	0·0	295·1	297·4	16th	285·0	281·0	28th	290·1	*289·0*	−0·4	19	+
1046	Sainte-Marie	17 0	49 51	15	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1055	Cocos Keeling Is.	12 5	96 53	4·6	1010·7	1011·3	− 0·4	302·7	304·6	9th	298·0	295·9	26th	300·3	..	+0·1	136	+
1056																		
1057	Christmas Island	10 25	105 43	5·5	1007·7	1008·3	− 0·2	305·5	306·9	..	296·9	295·8	..	301·2	*300·6*	+0·8	5	+
1058																		
1061	Koepang	10 10	123 34	45·1	..	1010·4	0·0	304·1	305·0	17th	294·1	291·5	30th	299·1	298·7	..	4	+
1061*a*	Derby	17 18	123 40	16·2	1011·2	1013·1	− 0·5	305·3	308·7	4th	292·7	287·4	21st	299·0	..	+0·8	0	+
1062	Hall's Creek	18 13	127 46	374	971·9	1013·7	− 1·6	303·8	306·6	13th	285·6	278·1	20th	294·7	*294·1*	+0·3	0	+
1063	Darwin	12 28	130 51	29·6	1007·4	1010·8	− 0·1	305·3	306·9	4th, 10th	295·3	290·7	28th	300·3	*299·1*	−0·3	11	+
1064	Daly Waters	16 16	133 23	211	987·4	1011·2	− 1·8	303·9	306·9	6th	288·3	281·3	28th	296·1	*295·5*	−0·6	0	+
1065	Mein	13 13	142 47	122	997·0	1010·7	− 0·1	302·6	304·4	13th	290·8	283·6	27th	296·7	..	−1·2	2	+
1066	Georgetown, Queensland	18 22	143 32	302	980·1	1014·3	+ 0·1	302·1	304·1	16th	286·8	276·8	26th	294·5	..	−1·2	0	+
1067	Samarai	10 37	150 40	15·2	..	1009·7	− 1·1	302·0	..	..	296·7	..	..	299·3	*299·0*	+0·2	477	+
1072	Suva, Fiji	18 8	178 26	16·8	..	1012·7	− 1·7	299·9	302·3	26th	294·8	293·4	19th	297·3	*297·0*	−0·4	369	+
		S.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 112 and 113. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 112 and 113.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

MAY—ZONE 11.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Absolute Max.	Date.	Mean Min. B.	Absolute Min.	Date.	Mean of A and B.	‡24 hr. Mean. *	Diff. from Normal.	Precipitation. Total.	Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	6	..	..	..	..	..	..	..	..	..	..	..	..	48	−115
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1013·0	1016·3	− 0·3	289·0	291·8	1st, 30th	283·4	281·8	9th	286·2	*285·9*	−0·4	2	− 32
1122	Iquique	20 12	70 11	9	1013·9	1015·0	− 0·3	294·3	295·2	sev. dates	283·1	282·7	16th	288·7	*291·1*	+0·8	0	0
1122*a*	Catamarca	28 27	65 47	510	..	1013·6	+ 0·4	295·0	301·0	9th	281·0	274·0	25th	288·0	287·8	−1·0	1	− 11
1124	Salta	24 46	65 28	1178	882·1	1013·6	− 0·9	292·2	303·0	20th	276·7	269·3	25th	284·5	286·0	−0·9	10	+ 1
1125	Goya	29 9	59 15	26	..	1016·6	+ 0·4	294·5	303·6	17th	285·1	277·2	13th	289·8	289·2	0·0	81	+ 11
1126	Asuncion	25 21	57 37	95	‡1005·9	‡1017·2	− 0·1	295·0	303·0	17th	287·4	279·2	26th	291·2	290·5	−1·4	276	+179
1127	Curityba	25 25	49 17	908	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1128	Rio de Janeiro	22 54	W43 10	61·4	1009·6	1016·6	− 0·1	298·6	304·9	21st	293·4	290·6	31st	296·0	295·6	+0·8	65	− 19
1139	Windhoek	22 35	E 17 5	1680	..	..	..	292·5	296·9	11th	282·5	273·2	30th	287·5	*287·5*	−1·3	6	0
1140																		
1141	Kimberley	28 42	24 47	1202	886·0	..	− 0·1	292·1	297·1	6th	278·0	270·0	30th	285·0	284·7	−1·0	22	0
1142	Johannesburg	26 11	28 4	1806	825·7	..	− 0·2	289·7	295·2	6th	279·1	269·1	30th	284·4	*284·0*	−1·0	5	− 13
1142*a*	Pretoria (Brooklyn)	25 46	28 13	1400	865·1	..	0·0	293·3	298·5	6th	278·9	271·8	30th	286·1	*285·7*	−0·2	0	..
1143	Durban	29 52	31 3	15·2	1019·2	1021·0	0·0	296·6	299·9	4th	286·8	282·5	23rd	291·7	*291·1*	−0·6	112	+ 63
1144	Lorenzo Marques	25 58	32 36	59	..	1019·0	− 0·1	298·9	304·8	29th	287·3	282·9	24th	293·1	292·6	−0·9	39	+ 9
1147	Mauritius	20 6	57 33	55·2	1009·5	1016·0	− 0·4	298·5	300·7	4th	291·0	287·1	28th	294·7	294·6	−0·7	95	+ 18
1159	Onslow	21 43	114 57	4·3	1012·3	1013·1	− 1·5	301·5	307·4	7th	289·1	284·3	30th	295·3	..	+0·2	89	+ 52
1160	Peak Hill	25 38	118 47	588	947·2	1013·6	− 2·8	295·9	303·0	7th	284·8	280·2	15th	290·3	..	−0·4	7	− 16
1161	Nullagine	21 53	120 5	386	971·0	1014·3	− 1·5	301·6	307·0	8th	285·2	281·1	5th, 21st	293·4	..	+0·3	1	− 12
1162	Laverton	28 40	122 23	466	962·2	1016·3	− 3·1	294·3	301·3	7th	282·4	275·6	16th	288·4	*288·3*	−0·3	12	− 13
1163	Alice Springs	23 38	133 37	587	949·1	1015·2	− 3·1	297·4	303·6	11th	282·4	275·8	18th, 19th	289·9	289·8	+1·6	16	− 1
1164	William Creek	28 55	136 21	76·2	1008·4	1017·4	− 3·0	296·2	303·6	11th	282·5	276·3	24th	289·3	*289·0*	+1·2	8	− 2
1165	Boulia	22 55	139 38	146	998·6	1015·4	− 0·5	299·4	306·2	12th	285·2	278·1	26th	292·3	*292·2*	−0·4	14	+ 4
1166	Thargomindah	27 58	143 43	123	1003·4	1017·9	..	296·1	303·5	11th	283·9	276·4	26th	290·0	*289·8*	..	38	+ 15
1167	Mitchell	26 32	147 52	336	980·2	1018·8	..	295·0	298·0	15th	278·1	270·8	27th	286·6	..	−0·9	1	− 38
1168	Rockhampton	23 24	150 30	11·3	1016·0	1017·4	− 0·2	297·8	300·0	29th	285·9	279·6	27th	291·8	..	−1·5	26	− 15
1169	Brisbane	27 28	153 2	11·6	1018·0	1019·3	+ 0·4	295·8	298·5	29th	284·7	279·4	19th	290·2	*289·4*	−0·8	63	− 10
1170	Quitchambo	21 52	166 3	38	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Norfolk Island	28 58	168 3	15·2	1016·4	1018·2	+ 0·3	293·5	295·2	25th	288·8	284·8	20th	291·2	..	−0·4	61	− 80
		S.	E.															

MAY—ZONE 12.

Between Latitude 30° S. and 40° S.

		S.	W.															
1221	Juan Fernandez	33 37	78 50	10	..	..	..	290·6	293·1	16th	285·3	282·8	25th	287·9	*288·6*	+0·1	132	− 15
1221*a*	Punta Tumbes	36 37	73 6	91	‡1005·5	‡1016·6	0·0	287·5	290·5	3rd	280·6	275·2	21st	284·1	*283·9*	−1·1	59	− 28
1222	Punta Angeles, Valparaiso	33 1	71 38	41	1011·1	1016·0	− 1·0	291·0	297·0	15th	281·6	278·2	21st	286·3	*285·8*	−1·1	30	− 62
1222*a*	Santiago	33 27	70 42	520	955·9	1017·1	0·0	291·9	299·4	16th	278·0	271·6	21st	284·9	*283·9*	+0·8	35	− 24
1223	Cordoba	31 25	64 12	423	965·4	1015·3	0·0	292·8	298·9	..	278·5	271·0	..	285·7	285·1	−1·2	20	− 5
1224	Bahia Blanca	38 45	62 15	25	..	1014·8	+ 0·9	288·4	295·5	3rd, 4th	279·5	273·0	13th	283·9	283·5	−1·0	21	− 10
1225	Buenos Ayres (Chacarita)	34 36	58 22	25	..	1017·2	+ 0·1	289·6	295·6	17th	279·9	271·4	13th	284·7	284·7	−1·7	76	− 1
1226	Montevideo (Prado)	34 52	56 12	24·9	1014·3	1017·3	+ 0·8	290·3	296·7	5th, 31st	281·3	273·6	14th	285·8	285·9	−0·9	102	+ 4
1226*a*	Porto Alegre	30 2	W51 13	23·5	1014·7	1017·5	− 0·1	294·4	302·4	17th	285·4	278·7	22nd	289·9	289·7	−0·6	132	+ 11
1239	Cape Town	33 56	E 18 29	12·2	..	1018·9	+ 0·8	292·4	301·7	19th	284·1	277·3	30th	288·3	*286·8*	+0·3	117	+ 24
1240	Danger Point	34 37	19 18	27·7	1015·1	1018·4	..	291·3	296·3	1st, 2nd	284·4	278·6	23rd	287·9	..	..	78	..
1241	Riversdale	34 6	21 16	?61	1006·2	..	..	294·6	306·9	1st	279·5	274·7	11, 17, 31	287·0	..	..	52	..
1242	East London	33 1	27 54	9·8	1016·9	1018·1	0·0	295·7	303·0	28th	284·9	281·9	19, 30, 31	290·3	..	+0·4	55	+ 1
1259	Perth (Observatory)	31 57	115 51	60·0	1007·6	1014·9	− 3·6	293·2	298·8	20th	285·4	277·8	15th	289·3	*289·3*	+0·4	162	+ 38
1260	Katanning	33 42	117 35	310	977·8	1014·6	− 4·0	291·1	297·4	6th	282·5	275·6	16th	286·8	..	+0·9	74	+ 22
1261	Coolgardie	30 57	121 10	423	966·6	1015·7	− 3·9	293·2	299·1	6th, 7th	281·6	276·6	15th	287·4	*287·3*	+0·2	20	− 15
1262	Eucla	31 45	128 58	4·6	1014·2	1014·8	− 4·2	293·4	300·4	8th	283·2	279·6	18th	288·3	*287·9*	−0·6	39	+ 7
1263	Streaky Bay	32 48	134 13	13·1	1015·8	1017·4	− 3·4	293·2	302·4	3rd	285·6	279·3	23rd	289·4	*288·9*	+1·5	42	− 7
1264	Adelaide	34 56	138 35	42·7	1012·2	1017·1	− 3·0	294·3	303·0	4th	285·6	279·4	26th	289·9	*289·7*	+2·6	86	+ 17
1265	Melbourne	37 49	144 58	35·1	1012·9	1017·0	− 2·5	290·3	297·3	10th	282·7	275·8	27th	286·5	*286·2*	+1·2	79	+ 24
1266	Bourke	30 13	145 58	110	1007·9	1021·0	+ 1·3	296·1	303·0	14th	281·3	273·0	27th	288·7	..	+0·3	14	− 13
1267	Sydney	33 52	151 13	44·5	1013·3	1018·4	− 0·2	294·0	298·1	2nd	284·4	280·3	27th	289·2	*288·3*	+1·4	13	−118
1268	Lord Howe Island	31 20	159 0	4·6	1018·9	1019·4	+ 1·8	294·1	295·3	5th, 20th	287·8	281·3	28th	290·9	..	−0·3	45	− 93
1271	Auckland	36 50	174 50	38·1	..	1015·9	..	290·2	292·4	13th	283·6	279·7	31st	286·9	..	+0·2	65	− 48
1272	Napier	39 32	176 53	21·3	..	1014·1	− 0·4	289·8	294·4	21st	280·9	276·3	4th	285·3	..	+0·1	16	− 92
		S.	E.															

MAY—ZONE 13.

Between Latitude 40° S. and 50° S.

		S.	W.															
1301	Chatham Island	43 52	170 42	104	..	..	..	..	..	..	..	..	..	..	..	..	102	+ 4
1321	Isla Huafo	43 34	74 45	140	993·8	1010·8	− 2·2	..	..	..	279·1	274·9	19th	..	*281·1*	..	115	− 21
1322	Punta Galera	40 1	73 44	40	1010·2	1015·1	+ 0·3	284·8	287·6	3rd	280·5	275·3	31st	282·7	*282·8*	−1·1	419	+ 96
1323	Sarmiento	45 30	69 0	274	..	1009·1	..	282·1	293·0	3rd	273·5	261·5	22nd	277·8	277·4	−1·9	9	− 13
1324	Puerto Madryn	42 49	W64 58	14	..	1011·6	..	287·4	295·8	3rd	276·2	268·9	22nd	281·8	281·6	−1·6	21	− 4
1365	Launceston	41 27	E147 10	10·1	1011·7	1012·9	− 3·2	288·7	296·3	10th	279·0	271·2	25th	283·9	*283·3*	+1·1	136	+ 68
1366	Hobart	42 53	147 20	53·9	1004·6	1011·3	− 4·3	287·8	295·2	9th	280·7	274·8	26th	284·2	*283·6*	+1·0	61	+ 14
1370	Invercargill	46 25	168 21	5·5	..	..	..	284·9	289·1	14th	276·3	271·1	18th	280·6	..	0·0	147	+ 30
1371	Dunedin	45 52	170 31	91·4	..	1011·2	− 1·6	285·9	290·2	12th	278·0	275·2	sev. dates	281·9	..	+0·6	22	− 62
1371*a*	Christchurch	43 31	172 38	7·6	..	1011·6	− 2·6	286·4	289·7	10th	277·4	271·3	28th	281·9	..	−0·1	40	− 20
1372	Wellington	41 16	174 46	2·4	..	1014·1	− 0·4	288·2	290·8	12th	281·9	276·7	28th	285·1	..	+0·5	105	− 16
		S.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 113 and 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 113 and 114.

MAY—ZONE 14.

Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A. and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	993·0	999·8	— 0·6	278·9	283·2	6th, 7th	275·5	273·3	19th	277·2	*277·3*	—1·2	249	+
1422	Puerto de Punta Arenas	53 10	70 54	4	998·4	998·9	— 2·9	277·7	281·5	7th	272·5	269·2	23rd	275·1	*275·7*	—1·1	25	—
1423	Punta Dungeness	52 24	68 26	5	997·9	998·5	— 2·0	282·8	285·0	sev. dates	275·0	270·1	23rd	278·9	*277·5*	—0·7	2	—
1424	Santa Cruz	50 11	68 21	12	..	1002·8	— 1·5	280·2	289·1	7th	271·1	263·0	22nd	275·7	275·8	—2·2	18	+
1424*a*	Año Nuevo	54 39	64 9	50	989·9	996·1	— 3·0	276·9	281·4	7th	273·7	269·0	21st	275·3	275·3	—1·4	75	—
1425	Stanley, Falkland Is.	51 41	57 51	4	..	..	..	..	..	..	..	..	..	..	..	..	66	+
1426	Cape Pembroke	51 41	57 42	21	..	998·5	— 2·3	278·7	283·6	9th	273·3	270·2	18, 21, 23	276·0	276·4	—1·2	..	..
1429	S. Georgia (Cumberland Bay)	54 14 S.	36 33 W.	4	995·6	996·1	+ 1·1	274·8	281·8	4th	268·9	262·9	23rd	271·9	*271·9*	—1·8	160	+

MAY—ZONE 15.

Between Latitude 60° S. and 70° S.

1527	South Orkneys	60 44 S.	44 39 W.	7	996·2	997·1	+ 4·2	266·5	276·0	9th	261·6	251·3	31st	264·1	263·9	—1·8	28	—
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 115.

† Estimates not based on at least six equally-spaced observations each day are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—MAY 1918.

Date.	St. Helena. 1035. Direction.	St. Helena. 1035. ††Mean Velocity for the Day.	Fanning Island. 805. Direction.	Sierra Leone. 834. Direction and Force (Beaufort).	Entebbe. 844. Direction and Force (Beaufort).	Malden Island. 905. Direction and Force (Beaufort).	Tulagi. 969. Direction and Force (Beaufort).	Ocean Island. 970. Direction and Force (Beaufort).	Suva, Fiji. 1072. Direction and Force (Beaufort).
		m/s		9h. 17h.	7h. 21h.	9h.	9h.	9h. 21h.	9h.
1	SE	—	.. SE	SW 1 W 2	NE 1 S 7	ESE 3	Calm 0	E 3 E 2	SE
2	SSE	—	.. Calm	N 1 Calm 0	SW 3 W 6	ESE 4	Calm 0	E 2 E 1	Calm
3	SSE	—	.. NE	SW 1 W 1	S 2 SW 2	ESE 3	SE 4	E 2 E 3	Calm
4	SE	—	.. ENE	NE 1 SW 1	W 4 E 3	E by S 2	Calm 0	E 3 E 4	NW
5	SE	—	.. ENE	NNE 1 Calm 0	E 1 E 4	E 1	SE 4	E 3 E 3	Calm
6	SE	8·5	.. SE	E 2 E 1	E 1 E 4	E by S 3	SE 6	E 3 E 3	N
7	ESE	—	.. SE	Calm 0 SW 1	W 3 Calm 0	E 3	SE 6	E 2 SW 2	Calm
8	SE	—	.. Calm	W 2 Calm 0	W 3 W 2	ESE 3	SE 2	E 1 E 1	Calm
9	SE	—	.. SE	NE 1 Calm 0	W 8 W 3	ENE 2	SE 2	E 1 E 1	Calm
10	SE	—	.. ENE	N 1 SW 1	W 3 SW 4	NE 1	SE 4	SE 4 SE 3	Calm
11	ESE	—	.. SE	Calm 0 Calm 0	Calm 0 Calm 0	SE 3	SW 2	SE 3 SE 3	Calm
12	SE	—	.. Calm	SW 1 SW 2	SW 5 W 1	E by S 3	Calm 0	E 2 E 2	Calm
13	SE	—	.. Calm	Calm 0 Calm 0	SW 4 SW 7	SE 3	SE 2	E 2 E 2	Calm
14	SE	—	.. ENE	Calm 0 W 3	W 1 W 2	E 1	SE 2	E 2 E 2	NW
15	SE	—	.. ENE	Calm 0 SW 2	W 3 W 1	E 2	SE 4	E 2 E 2	Calm
16	SE	—	.. NE	NE 2 W 1	W 1 W 2	E by S 2	SE 4	E 2 E 2	NW
17	SE	—	.. SE	Calm 0 SW 2	W 2 SW 1	E by S 4	SE 2	E 2 S 2	Calm
18	SE	—	.. SE	NW 1 NW 2	W 1 W 1	ESE 3	SE 2	SE 2 E 2	Calm
19	SE	—	.. ENE	Calm 0 E 2	W 1 SW 4	SE 5	Calm 0	E 3 E 2	Calm
20	SE	—	.. SE	SE 1 W 2	W 2 W 4	SE 4	Calm 0	E 3 E 1	SE
21	SE	—	.. SE	W 1 Calm 0	W 2 SW 3	SE 4	SE 2	E 2 E 2	W
22	ESE	—	.. Calm	SW 1 Calm 0	Calm 0 Calm 0	SE 4	SE 4	E 3 E 1	S
23	SE	—	.. SE	Calm 0 W 3	W 1 SW 1	SE 3	Calm 0	E 2 E 1	SE
24	SE	—	.. Calm	SW 1 W 2	Calm 0 W 2	SE 3	SE 4	E 2 E 1	SE
25	SE	—	.. Calm	W 2 Calm 0	Calm 0 SW 5	ESE 2	SE 4	E 2 E 2	N
26	SE	—	.. Calm	Calm 0 Calm 0	W 4 W 4	SE 2	SE 2	E 2 E 2	Calm
27	SE	—	.. Calm	SW 2 SW 3	W 2 SW 2	SSE 2	Calm 0	E 2 E 2	Calm
28	SE	—	.. SE	SW 2 S 1	W 1 SW 2	SSE 2	Calm 0	E 2 E 2	Calm
29	SE	—	.. SE	Calm 0 SW 1	Calm 0 W 1	ESE 2	SE 4	ESE 3 S 3	W
30	ESE	—	.. SE	NE 1 E 2	W 1 SW 4	ESE 3	SE 2	E 3 E 2	S
31	SE	—	.. SE	Calm 0 Calm 0	W 2 W 7	ESE 2	SE 6	E 1 E 1	E
††Mean	..	—	..	0·8 1·1	2·0 2·9	2·7	2·4	2·4 2·0	
§Resultant	135° (96)	..	110° (56)	250° (26)	255° (61)	115° (88)	140° (67)	100° (91)	205° (2
§Normal	139° (86)	6·0	‖84° (73)	275° (18)	240° (42)	83° (79)	120° (73)	105° (56)	102° (2

†† Mean velocity of the South-East Trade Wind at 632 metres.
§ Direction and "constancy." For explanation see Introduction.
‖ Normal refers to ½ (9+21).

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—MAY 1918.

‡‡ *Barents Sea.*—The ice edge lay 25 miles west of Bear Island whence it trended towards north-east. The area covered was 1233 × 10^3 sq. km. compared with a normal of 981 × 10^3 sq. km.

‡‡ *White Sea.*—Conditions were normal. The edge of the ice lay between C. Sviatoy and C. Kanin.

‡‡ *Spitsbergen.*—The south-west part of Storfjord was open and the coast between Pr. Charles Foreland and Horn Sound was free of ice. The ice was 25 miles offshore from Horn Sound to South Cape and reached to Whales Bay. In the inmost part of Storfjord the firm ice was 80 cm. thick.

‡‡ *Greenland Sea and Denmark Strait.*—Between 75° and 78° N. lat. the edge of the ice was 80 miles more easterly than normal. The direction of the current was north-west and the ice was scattered at the outer edge. In Denmark Strait the ice edge (130 miles off the Greenland coast) was more easterly than normal. The ice was drifting W.S.W. At Angmagsalik open water occurrred along the coast. The area covered was 1331 by 10^3 sq. km. compared with a normal of 1062 × 10^3 sq. km.

‡‡ *Iceland.*—The ice edge lay 30 miles off Cape North and 100 miles offshore elsewhere on the north coast. Normally ice is visible on 7 days, heavy on 2.

N. Atlantic and Labrador.—A few icebergs 200 ft. high were observed off the Newfoundland Banks.

‡‡ *Davis Strait.*—Irregular masses of 'Storis' were observed between Cape Farewell and Godthaab (it is seldom so far north in May) but no ice from there to Holstenberg. To the north of this the ice was impenetrable. Later the ice broke up in Disko Bay, but on the 30th all the bays were again filled with ice.

‡‡ *Melville Bay* was covered with firm ice; no open water was observed.

‡‡ *Bering Sea.*—In Bristol Bay the ice consisted of floes, some 30 to 50 metres long. An edge of packed ice was met with south of St. Matthew Island.

‡‡ *Isforholdene i de Arktiske Have*, 1918, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, JUNE 1918

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF JUNE 1918

BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N.

JUNE—ZONE 1.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
105	Barrow	71 23	156 17	6·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
123	Inglefield Bay	77 20	67 30	?	?1004·7	..	— 3·6	..	277·7	25th	..	267·8	8th	..	*?273·3*	..	4	..
124	Upernivik	72 47	W56 7	18·9	1005·0	1007·3	— 4·9	276·8	283·5	23rd	270·6	268·3	1st	273·7	*272·7*	—2·1	15	+ 2
125	Spitsbergen (GreenHarbour)	78 2	E 14 14	11·4	1011·5	1012·9	0·0	..	281·4	30th	273·4	269·5	2nd	..	275·9	+1·2	12	— 1
139	Gjesvaer	71 6	25 22	6·5	1009·5	1010·3	— 2·9	..	294·2	23rd	278·0	272·6	2nd	..	*280·8*	+1·0	62	+ 25
140	Mehavn	71 1	27 47	6·4	1009·6	1010·4	— 2·8	..	292·9	23rd	278·2	272·7	2nd	..	*281·0*	+1·9	26	— 17
141	Vardö	70 22	31 8	10·0	1010·2	1011·4	— 2·0	..	290·5	23rd	276·6	272·8	3rd	..	*278·9*	+0·2	70	+ 32
142	Malye Karmakouly	72 23	52 43	14·8	1013·5	1015·3	+ 3·8	..	..	..	..	..	..	..	..	..	..	..
143	Waigatz	70 24	58 47	11·2	1009·5	1010·9	— 0·5	..	‡282·2	27th	272·2	268·8	6th	..	*273·5*	..	16	..
147	Maudhavn	77 33 N.	105 40 E.	2·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..

Between Latitude 70° N. and 60° N.

JUNE—ZONE 2.

202	Gambel	63 51	171 35	6·1	..	..	..	278·8	?281·3	sev. dates	273·5	271·3	6, 8, 9	276·1	..	..	..	..
203	Nome	64 30	165 24	6·7	..	1016·9	+ 5·4	281·3	289·7	23rd	273·3	270·2	11th	277·3	*277·8*	—3·4	22	— 8
204	Candle	65 55	161 57	2·4	..	..	..	285·2	294·1	28th	274·0	?270·8	7, 19, 24	279·6	..	..	12	..
205	Tanana	65 10	152 6	67·1	..	1013·9	+ 1·5	291·1	298·0	7th	278·4	272·4	11th	284·7	*285·3*	—2·1	56	+ 29
206	Rampart	65 30	150 15	122	..	..	..	294·8	301·9	8th	279·6	271·9	29th	287·2	..	..	15	— 8
207	Valdez	61 7	146 16	8·2	..	1017·3	+ 1·9	287·6	296·3	14th	279·2	274·1	1st	283·4	*283·6*	—0·3	31	— 20
208	Eagle	64 46	141 12	254	..	1011·8	+ 1·5	291·4	298·0	7th	277·4	269·7	11th	284·4	..	—1·7	34	— 3
209	Dawson	64 4	139 20	328	972·6	1011·3	— 1·2	293·6	300·2	17th	277·4	271·3	11th, 30th	285·5	..	—1·4	19	— 9
210	Carcross	60 11	134 34	662	..	..	..	290·1	296·9	21st	275·2	270·8	4th	282·7	..	—0·6	10	— 5
211	Fort Good Hope	66 25	128 53	65·2	1007·6	1015·7	..	287·4	298·0	18th	275·2	268·6	10th	281·3	..	..	31	+ 21
212	Fort Simpson	61 52	121 35	129	996·6	1012·2	..	291·3	302·4	18th	278·6	273·0	1st	284·9	..	—1·2	17	— 29
213	Hay River	60 51	115 20	161	992·4	1012·1	..	..	..	..	273·6	266·3	2nd, 3rd	..	‡*279·7*	..	28	..
225	Jacobshavn	69 13	51 2	12·6	1006·2	1007·8	— 4·1	..	‡284·5	23rd	272·2	267·7	3rd	..	*274·6*	—3·1	22	+ 1
226	Godthaab	64 11	51 43	9·0	1005·0	1006·1	— 3·7	..	‡282·2	23rd	271·9	269·2	12th	..	*274·9*	—2·5	1	— 33
227	Ivigtut	61 12	48 10	5·0	1006·6	1007·2	— 2·1	282·3	289·6	23rd	274·1	270·8	2nd	278·2	*277·5*	—3·7	171	+ 96
229	Angmagsalik	65 37	37 33	31·7	1001·5	1005·4	— 8·4	282·0	287·6	23rd	274·6	272·5	2nd	278·3	*277·7*	—0·5	76	+ 23
231	Stykkisholm	65 5	22 46	11·3	1006·6	1008·0	— 2·7	284·7	288·5	26th	278·4	274·5	14th	281·5	*281·1*	+0·3	70	+ 32
232	Vestmanno	63 26	20 15	7·7	1008·4	1009·3	— 1·9	285·6	288·5	24th	279·1	275·4	9th	282·3	*281·6*	—0·5	116	+ 35
233	Grimsey	66 33	17 58	22	..	..	..	281·6	287·5	3rd, 10th	275·2	271·6	14th	278·4	*278·5*	0·0	13	— 5
233*a*	Akureyri	65 40	18 4	6·8	1007·4	1008·2	— 3·5	..	..	..	..	..	..	..	..	..	..	..
234	Berufjord	64 40	14 19	10·8	1005·9	1008·1	— 3·9	285·5	290·2	10th	276·5	272·1	18th	281·0	*280·6*	+0·3	36	— 29
235	Thorshavn	62 3	6 45	26·3	1008·2	1011·4	— 2·9	284·6	287·9	2nd	279·3	276·5	18th	281·9	*281·7*	—0·4	64	— 1
236	Lerwick	60 9	W 1 8	18·0	994·9	1012·7	— 1·3	283·6	285·8	7th	279·3	276·9	17th	281·5	*281·3*	..	53	..
237	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1005·5	1010·9	— 3·0	286·3	293·2	6th	280·8	278·9	27th	283·5	*283·3*	—2·6	140	+ 51
238	Christiansund	63 7	7 45	17·8	1007·5	1009·6	— 4·3	..	291·4	7th	281·1	277·4	1st	..	*283·1*	—1·1	122	+ 71
239	Trondhjem	63 26	10 25	39·5	1004·6	1009·4	— 4·0	287·8	296·9	7th	280·0	275·6	3rd	283·9	*283·6*	—1·3	99	+ 53
240	Bodö	67 17	14 24	22·4	1006·8	1009·5	— 4·4	..	292·2	7th	280·2	272·4	2nd	..	*283·3*	+0·4	21	— 32
241	Haparanda	65 50	24 9	9·2	1009·1	1008·2	— 4·2	288·9	293·5	8th	280·4	273·0	4th	284·7	*284·4*	—0·3	60	+ 26
242	Helsingfors	60 10	24 57	11·7	1007·0	1008·4	— 4·4	289·1	293·8	7th	281·7	277·2	4th	285·4	*285·0*	—1·9	67	+ 23
242*a*	Kuopio	62 54	27 40	90·3	996·6	1007·5	— 5·5	289·3	293·8	22nd	281·0	274·2	4th	285·1	*285·4*	—0·9	79	+ 24
243	Kola	68 53	33 1	6·7	1009·9	1010·7	— 1·6	286·4	299·3	26th	278·0	272·8	3rd	282·2	*282·1*	+0·3	21	— 7
244	Petrozavodsk	61 47	34 23	38·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
245	Arkhangelsk	64 35	40 36	6·2	1007·9	1008·6	— 3·4	289·4	304·8	25th	280·8	273·5	5th	285·1	*284·9*	0·0	76	+ 31
246	Mezen	65 50	44 16	12·6	1007·0	1008·5	— 3·6	288·7	305·0	26th	278·8	271·2	7th	283·8	*283·8*	+1·8	64	+ 29
247	Oust-Tsylma	65 25	52 14	? 70	1001·0	1009·5	— 1·7	289·0	304·2	26th	280·1	272·2	13th	284·6	*284·0*	+1·0	35	..
248	Tcherdyn	60 24	56 31	?177	988·2	1009·1	— 0·8	294·2	304·0	25th	283·6	274·1	13th	288·9	*288·6*	+2·0	81	+ 29
249	Berezov	63 56	65 4	39·9	1008·0	1012·8	+ 1·6	..	..	..	280·7	274·6	13th	..	*285·4*	+2·3	41	— 11
250	Obdorsk	66 31	66 35	23·7	1008·3	1011·2	— 0·7	283·9	297·0	24th	276·4	270·5	10th	280·2	*279·7*	+0·1	43	+ 11
251	Sourgout	61 15	73 24	? 40	1005·4	1010·2	+ 0·7	..	299·0	4th	282·0	274·5	11th	..	*287·0*	+2·3	63	— 1
252	Dondinka	69 23	86 4	20	1005·2	1007·6	— 1·9	..	292·8	30th	274·4	265·1	5th	..	*277·3*	..	45	..
253	Touroukhansk	65 47	87 57	45	1005·6	1011·1	+ 2·0	..	293·9	30th	277·0	270·7	10th	..	*281·8*	+0·3	47	+ 7
254	Iakoutsk	62 1	129 43	108	992·6	1005·5	— 2·0	..	300·7	28th	280·3	271·5	7th	..	*287·9*	0·0	14	— 24
262	Verkhoïansk	67 33	133 23	100	992·4	1004·3	— 0·1	..	304·2	28th	279·1	271·8	3rd	..	*286·7*	+1·1	..	..
263	Markovo-sur-Anadyr	64 45	170 50	25·9	1010·2	1013·3	+ 2·7	..	..	..	277·2	268·0	2nd	..	‡*282·7*	—1·0	1	— 21
271	Novo-Marinskii Post	64 45	177 33	23·5	1013·0	1015·9	+ 4·5	281·2	295·3	29th	274·5	270·0	2nd	277·8	‡*278·3*	+0·3	3	— 15
272		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 105 and 106. †Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 105 and 106.

JUNE—ZONE 3.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
301	Atka	52 12	174 20	7·6	..	..	..	282·5	287·4	25th	277·9	274·7	11th	280·2	..	..	110	..
302	St. Paul Island	57 15	170 10	6·1	..	1012·2	− 0·5	282·3	287·4	26th	276·0	271·9	14th	279·1	..	..	18	..
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	1015·9	+ 0·7	283·0	286·3	7th	277·9	275·2	10th, 11th	280·4	..	−0·1	25	..
304																		
305	Dillingham	59 0	158 28	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
306	Kodiak (Radio)	57 46	152 22	6·1	..	1016·9	+ 2·8	287·5	294·7	19th, 29th	279·0	275·8	8th	283·2	..	..	82	..
309	Sitka	57 3	135 19	27·4	..	1017·6	+ 1·0	288·3	296·3	13th	279·8	274·1	1st	284·0	*283·9*	+0·4	88	+ ..
310	Prince Rupert	54 18	130 18	51·8	1009·5	1015·8	− 0·8	288·0	295·2	5th	280·2	275·2	1st	284·1	*283·9*	−0·8	121	+ ..
311	Barkerville	53 2	121 35	1274	871·5	1017·3	+ 3·9	288·6	299·7	21st	276·3	270·8	3rd	282·4	*282·1*	−0·7	108	+ ..
312	Kamloops	50 42	120 29	385	971·9	1016·6	+ 0·7	299·7	306·3	9th, 12th	284·1	275·8	3rd	291·9	*291·9*	+0·8	8	− ..
313	Calgary	51 2	114 2	1045	894·5	1012·5	+ 2·0	298·0	305·2	10th, 13th	279·1	272·4	1st	288·6	*288·3*	+2·3	7	− ..
314	Fort Chipewyan	58 42	111 10	218	986·0	1012·0	..	289·7	296·9	17th	277·4	268·6	3rd	283·6	*284·4*	−1·6	23	− ..
315	Prince Albert	53 10	106 0	442	959·7	1011·1	+ 2·1	295·2	306·3	10th	281·3	273·0	6th	288·3	*288·0*	+0·8	67	− ..
316	Qu'Appelle	50 30	103 47	645	936·5	1010·2	− 1·1	297·4	309·1	10th	281·3	270·8	6th	289·4	*288·6*	+1·1	31	− ..
317	Minnedosa	50 15	99 50	515	952·2	1011·7	+ 0·2	295·2	309·1	10th	281·3	274·1	30th	288·3	*287·9*	−0·2	33	− ..
318	Berens River	52 18	97 23	216	..	..	..	293·3	301·9	11th	280·4	271·9	3rd	286·9	..	−0·2	94	+ ..
318*a*	Port Nelson	57 4	92 36	14·9	1012·0	1013·8	+ 0·5	281·3	296·3	19th	273·0	268·6	2nd	277·2	..	−1·9	100	+ ..
319	Fort Hope	51 33	87 49	‡260	980·7	1013·2	..	289·1	296·3	27th	276·9	270·8	4th, 9th	283·0	*283·6*	−2·4	108	+ ..
320	Moose Factory	51 14	80 30	9·1	1010·9	1012·0	− 2·2	290·2	298·6	28th, 29th	275·8	270·2	23rd	283·0	..	−2·6	89	+ ..
321	Fort George	53 50	79 5	97·5	..	..	..	284·0	295·8	27th	274·4	269·1	4th	279·2	*278·9*	..	32	+ ..
322	Mistassini Post	50 15	73 55	383	..	..	..	288·6	298·0	27th	276·7	269·1	10th	282·6	..	−2·3	128	+ ..
323	Hebron	58 12	62 21	15·0	1014·2	1016·0	..	..	..	..	272·0	268·1	..	..	*276·0*	..	..	..
324	Natashquan	50 8	61 48	?	..	..	..	284·7	291·3	27th	276·6	271·3	5th	280·6	..	−1·9	209	+ ..
326	Belle Isle	51 53	55 23	133	995·2	1011·8	+ 1·0	279·7	285·2	23rd, 29th	270·2	265·8	12th	274·9	*275·5*	−3·2	52	− ..
334	Cahirciveen (Valencia Obs.)	51 56	10 15	13·7	1020·6	1022·3	+ 6·4	289·9	297·4	3rd	283·6	280·8	15th, 16th	286·8	286·8	+0·1	56	− ..
335	Aberdeen	57 10	2 6	26·8	1012·1	1015·4	+ 0·5	288·0	296·3	30th	281·4	278·6	17th	284·7	284·4	−0·2	35	− ..
336	Greenwich	51 28	W 0 0	46·3	1013·5	1019·4	+ 2·9	293·9	299·7	2nd	281·0	275·8	17th	287·4	287·0	−1·1	19	− ..
337	Uccle	50 48	E 4 22	100	1005·8	1017·9	+ 1·7	293·3	297·8	9th	280·8	277·2	16th	287·0	286·9	−2·1	29	− ..
338	De Bilt	52 6	5 11	3·0	1017·2	1017·6	+ 1·8	291·9	297·1	8th	281·5	276·1	17th	286·7	286·5	−2·0	51	+ ..
338*a*	Hamburg	53 33	9 58	26·0	1012·0	1015·1	+ 0·1	290·0	296·0	10th	282·7	279·4	4th, 5th	286·3	*286·2*	−2·7	121	+ ..
339	Copenhagen	55 41	12 36	5·0	1011·5	1012·1	− 2·1	289·4	294·4	6th	283·1	279·0	3rd	286·3	*286·3*	−1·6	32	+ ..
340	Potsdam	52 23	13 4	84·9	1004·7	1015·0	0·0	292·3	299·3	11th	281·2	275·6	4th	286·7	286·3	−2·9	66	+ ..
340*a*	Upsala	59 51	17 38	24	1005·4	1008·3	− 4·7	290·7	302·1	7th	279·8	272·6	3rd	285·2	285·5	−1·5	48	+ ..
341	Warsaw	52 13	21 1	133	997·9	1013·8	− 0·3	292·0	301·8	15th	282·5	276·0	3rd	287·3	287·1	−3·6	79	+ ..
342	Dorpat (Jurjev)	58 23	26 43	74·5	1000·2	1009·2	− 3·5	290·6	295·8	23rd	280·5	274·5	3rd	285·5	285·2	−2·8	63	+ ..
343	Petrograd	59 56	30 16	4·8	1007·6	1008·2	− 4·2	289·3	297·2	30th	281·9	274·2	4th	285·6	*285·4*	−2·3	47	+ ..
344	Kiev	50 27	30 30	183	989·6	1011·2	− 1·2	296·1	307·4	19th	284·4	275·5	4th	290·2	*289·7*	−1·2	65	+ ..
344*a*	Moscow	55 50	37 33	167	988·6	1008·4	− 3·8	293·5	304·3	23rd	283·3	277·1	6th	288·4	*287·8*	−1·5	115	+ ..
345	Saratov	51 32	46 3	59·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
346	Kazan	55 47	49 8	79·9	1001·4	1010·9	+ 1·0	296·9	306·6	24th	286·4	280·6	4th	291·6	*291·1*	+0·9	75	+ ..
347	Orenburg	51 45	55 6	109	999·5	1012·4	+ 3·2	297·5	307·1	27th	285·7	278·1	1st	291·6	*291·6*	−0·1	61	+ ..
348	Perm	58 1	56 16	163	991·5	1010·7	+ 1·5	295·6	304·6	27th	284·4	274·7	13th	290·0	*289·9*	+1·7	48	+ ..
349	Ekaterinburg	56 49	60 38	281	977·6	1010·5	+ 0·2	295·0	302·7	27th	283·8	274·5	14th	289·4	*289·6*	+2·1	96	+ ..
350	Tobolsk	58 12	68 14	?108	998·6	1011·4	+ 0·7	295·7	300·0	4th	285·9	277·1	14th	290·8	*290·8*	+3·0	56	+ ..
351	Akmolinsk	51 12	71 23	?347	971·0	1011·1	+ 0·2	..	303·1	5th	284·5	279·3	21st	..	*292·3*	+1·8	14	+ ..
352	Omsk	54 58	73 23	90	..	..	..	..	..	..	..	..	..	..	*290·4*	+1·0	29	+ ..
353	Barnaoul	53 20	83 48	162	..	..	..	..	..	..	..	..	..	..	..	..	..	..
354	Tomsk	56 30	84 58	122	996·2	1010·7	+ 1·6	..	303·0	3rd	282·8	277·5	29th	..	*288·8*	+1·2	40	+ ..
355	Minousinsk	53 43	91 41	249	981·1	1010·2	− 0·4	..	303·1	4th	284·1	278·1	1st	..	*290·3*	..	85	+ ..
356	Eniseisk	58 27	92 10	77·6	1000·6	1009·9	+ 0·2	..	302·0	3rd	279·8	273·7	6th	..	*287·8*	−0·1	61	+ ..
357	Irkutsk	52 16	104 19	467	954·3	1008·5	− 0·9	..	301·3	23rd	279·7	271·7	7th	..	*287·0*	−0·6	104	+ ..
358	Kirensk	57 47	108 7	263	976·6	1007·3	− 1·0	..	302·1	22nd	281·5	272·3	10th	..	*289·4*	+0·6	17	+ ..
359	Tchita	52 2	113 30	687	926·3	1004·5	− 1·4	..	302·1	14th	279·6	272·1	2nd	..	*288·4*	−0·4	26	+ ..
360	Nertchinskii Zavod	51 19	119 37	626	931·8	1003·0	− 2·9	..	300·9	5th	281·1	272·5	2nd	..	*288·1*	−0·1	136	+ ..
361	Tygan Ourkan	54 5	124 46	379	959·1	1003·2	..	294·3	303·1	28th	277·1	269·9	3rd, 9th	285·7	*286·8*	..	55	− ..
362	Blagoveshchensk (Bureau Météor.)	50 16	127 30	142	985·4	1002·0	− 2·8	295·2	302·4	26th	284·0	277·5	8th	289·6	*289·6*	−0·7	127	+ ..
363	Paikanskii Sklad	50 11	130 7	?145	984·4	1001·5	..	294·1	302·1	28th	280·5	272·9	8th	287·3	*287·5*	..	118	+ ..
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	1003·1	1005·6	− 2·7	..	294·0	27th	278·4	270·9	2nd	..	*283·8*	−0·6	68	+ ..
366	Okhotsk	59 21	143 12	6·0	1007·1	1007·8	− 5·0	281·9	285·7	10th	277·5	274·7	2nd	279·7	*279·4*	−0·3	39	+ ..
367																		
368	Petropavlovsk (Radio)	53 0	158 39	13·5	1008·2	1009·8	− 1·6	283·4	290·6	24th	277·0	274·5	13th	280·2	*279·4*	..	84	+ ..
369																		
371	Attu Island	52 56 N.	173 13 E.	4·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 106 and 107. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

JUNE—ZONE 4.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	70·1	1008·4	1016·9	0·0	291·9	299·7	5th	282·4	278·6	2nd	287·2	286·9	+0·6	8	− 16
412	Portland, Oregon	45 32	122 41	46·6	1010·6	1015·9	− 1·2	299·0	305·8	12th	286·0	279·7	2nd	292·5	*292·7*	+3·4	3	− 40
413	Macleod																	
414	Helena	49 44	113 24	953	..	..	..	297·7	305·8	10th	282·3	271·9	1st	290·0	*290·2*	+2·9	32	− 39
414*a*	Salt Lake City	46 34	112 4	1253	874·0	1013·2	+ 0·9	300·1	307·4	9th	284·0	275·2	1st	292·0	*291·6*	+3·4	22	− 40
415	Cheyenne	40 46	111 54	1329	867·2	1011·8	+ 0·9	303·8	311·3	12th	290·4	279·7	1st	297·1	*296·9*	+3·8	5	− 17
416	North Platte	41 8	104 48	1856	816·1	1013·9	+ 3·7	298·6	305·2	10th	284·2	275·2	30th	291·4	*290·8*	+1·4	31	− 7
416*a*	Bismarck	41 8	100 45	859	917·1	1013·9	+ 2·2	303·8	312·4	15th	288·6	279·7	30th	296·2	*296·1*	+2·9	55	− 27
417	Winnipeg	46 47	100 38	511	955·0	1014·5	+ 2·2	298·6	311·3	10th	284·9	277·4	4th	291·8	*291·5*	+0·6	15	− 76
418	Duluth	49 53	97 7	232	984·4	1011·7	− 0·8	295·8	307·4	10th, 11th	281·9	275·2	3rd	288·8	*288·6*	−1·0	95	+ 12
419	Port Arthur	48 27	89 12	196	988·9	1012·3	− 1·8	290·8	299·7	11th	280·2	274·7	3rd	285·5	*285·3*	−1·2	42	− 26
420	Chicago	41 53	87 37	251	985·0	1014·5	− 0·1	296·8	306·9	11th	287·9	283·6	23rd	292·4	*292·3*	+0·1	43	− 45
421	Toronto	43 40	79 24	116	999·6	1013·4	− 0·9	295·2	304·7	1st	283·6	276·9	8th	289·4	289·1	−0·6	85	+ 15
422	New York (Central Park)	40 46	73 58	30·2	1010·1	1013·6	− 2·0	297·4	307·4	1st	288·3	282·4	23rd	292·9	292·6	−1·5	117	+ 33
423	St. John, N.B.	45 17	66 4	36·2	1008·0	1012·4	− 1·5	290·2	299·7	3rd	280·8	277·4	19th	285·5	284·9	−1·1	114	+ 31
424	S.W. Point, Anticosti	49 24	63 33	9·1	1009·7	1010·8	− 0·9	283·0	293·6	30th	278·0	274·1	11th	280·5	*280·7*	−2·0	186	+127
424*a*	Sable Island (Main Station)	43 57	60 6	7·6	1016·2	1017·1	+ 1·7	286·3	290·2	10th	281·3	279·7	5th, 22nd	283·8	*283·6*	+0·3	125	+ 38
425	Port aux Basques	47 35	59 10	9·1	1013·4	1014·5	+ 0·3	283·6	289·7	18th	277·4	274·1	5th, 6th	280·5	*280·5*	−1·4	154	+ 45
426	St. John's, Newfoundland	47 34	52 42	38·1	1011·8	1016·5	+ 4·4	289·1	299·7	28th, 29th	277·4	273·0	2nd	283·3	*282·7*	+0·5	108	+ 18
435	Madrid	40 24	3 41	655	942·2	1016·2	+ 0·4	304·5	309·7	24th	285·2	277·9	18th	294·9	293·9	+1·5	0	− 35
436	Nantes	47 15	W 1 34	36·5	1015·6	1020·0	+ 2·6	294·7	298·9	30th	282·7	277·9	24th	288·7	288·8	−1·0	22	− 34
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1013·4	1019·5	+ 2·5	294·7	300·4	9th	282·0	277·4	16th	288·3	288·3	−1·2	17	− 38
438	Marseilles	43 18	5 23	75	..	1014·6	− 0·4	297·9	303·0	29th	285·8	282·2	19th	291·9	*291·8*	−1·0	4	− 41
438*a*	Zürich	47 23	8 33	493	960·1	1018·1	+ 0·9	293·0	300·2	14th	281·7	277·2	6th	287·4	286·7	−2·9	170	+ 35
439	Rome	41 54	12 27	45	1009·8	1015·1	− 0·3	298·2	302·2	17th	288·1	285·6	1st, 9th	293·1	*293·4*	−1·5	24	− 17
440	Vienna	48 15	16 22	203	990·6	1014·7	0·0	292·5	299·8	17th	284·1	280·5	5th	288·3	288·2	−2·5	136	+ 65
440*a*	Buda-Pesth	47 31	19 2	130	999·0	1014·3	+ 0·4	296·7	307·8	18th	284·4	276·9	5th	290·6	*290·4*	−1·4	42	− 29
441	Sofia	42 42	23 20	550	951·6	1014·7	+ 1·6	297·4	308·5	20th	284·5	277·2	3rd	290·9	*291·0*	−0·2	45	− 28
442	Bucharest	44 25	26 5	82	1003·3	1013·0	0·0	301·5	313·3	20th	285·8	277·2	3rd	293·6	293·3	−0·2	52	− 37
443	Odessa (University)	46 26	30 46	42·8	1007·5	1012·5	− 0·2	296·5	305·7	18th	286·4	278·3	3rd	291·4	*291·2*	−1·7	36	− 20
444	Kharkov (University)	50 0	36 14	140	994·8	1011·3	− 0·7	296·9	307·4	22nd	284·6	277·4	4th	290·8	*290·6*	−0·2	61	− 3
444*a*	Novorossiisk	44 44	37 49	37·1	1009·1	1013·5	+ 0·3	295·3	302·8	30th	286·4	279·0	3rd	290·8	*291·1*	−1·6	28	− 34
445	Tiflis	41 43	44 48	404	967·0	1013·4	+ 1·0	299·7	308·2	30th	288·0	282·5	11th	293·8	*293·4*	−0·9	88	+ 16
446	Astrakhan	46 21	48 2	−13·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
447	Fort Alexandrovsk	44 31	50 7	−21·5	1014·3	1011·8	+ 0·5	299·6	310·6	23rd	291·7	285·5	5th	295·6	*295·4*	−0·1	47	+ 36
448	Krasnovodsk	40 0	52 59	−17·2	1014·2	1012·2	+ 1·6	301·6	309·8	24th	292·5	287·1	10th, 12th	297·0	*296·1*	−2·1	0	− 11
449	Aralskoe More																	
450	Tachkent	46 47	61 42	56	1005·1	1011·7	+ 0·4	302·5	310·8	29th	290·8	286·5	3rd, 11th	296·6	*296·6*	−0·8	6	..
451	Narynskoe	41 20	69 18	478	952·3	1005·7	− 1·8	307·3	311·0	30th	291·1	287·5	13th, 14th	299·2	*298·4*	+1·0	?0	− 12
452	Vernyi	41 26	76 2	?2015	?793·9	..	..	..	..	..	282·7	278·4	17th	..	*?290·4*	+3·0	2	..
461		43 16	76 53	841	..	..	..	..	..	..	..	..	..	..	..	..	..	..
462	Mukden	41 48	123 23	43·8	998·4	1003·5	− 0·8	300·7	306·0	29th	288·7	282·2	2nd	294·7	294·2	−0·2	60	− 23
463	Joshin	40 40	129 11	4·0	1004·7	1005·2	− 1·3	293·3	304·5	28th	285·7	280·7	3rd	289·5	288·8	+0·2	48	− 11
464	Yuki	42 20	130 24	65·6	997·6	1005·5	..	292·3	301·5	24th	284·7	280·4	3rd	288·5	287·8	..	83	..
465	Vladivostok	43 7	131 55	128	990·6	1005·9	− 2·4	290·0	298·5	24th	283·3	279·4	2nd	286·7	286·0	−0·9	115	+ 45
466	Ochiai	47 20	142 44	6·6	1005·8	1006·6	− 2·5	288·7	300·3	27th	279·3	273·2	3rd	284·0	283·9	+0·4	72	− 16
466*a*	Nemuro	43 20	145 35	26·7	1005·4	1008·6	− 1·5	287·6	296·0	25th, 27th	280·6	276·5	3rd	284·1	283·7	+0·8	104	+ 8
	Syana	45 14 N.	147 53 E.	39·3	1003·9	1008·6	− 1·6	287·6	296·8	30th	279·1	273·2	4th, 22nd	283·3	283·5	+1·2	68	+ 7

Between Latitude 40° N. and 30° N.

JUNE—ZONE 5 (Western Half).

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total	Precipitation. Diff. from Normal.
		N.	W.															
511	San Francisco	37 48	122 26	47·2	1006·7	1012·5	− 2·0	292·5	301·3	2nd	283·7	282·4	24th	288·1	*287·2*	+0·1	0	− 5
512	San Luis Obispo	35 18	120 39	61·3	1005·2	1012·5	− 2·0	299·1	313·0	10th	284·3	281·3	7th	291·7	*290·0*	+1·2	0	− 3
513	San Diego	32 43	117 10	26·5	1008·3	1011·5	− 1·4	295·1	300·8	18th	289·7	286·3	1st	292·4	*291·8*	+1·1	2	+ 1
514	Modena	37 48	113 54	1670	834·2	1010·8	+ 1·1	304·2	310·2	12th	284·4	275·2	2nd	294·3	*294·1*	+3·9	9	+ 1
515	Santa Fé	35 41	105 57	2138	790·8	1011·2	+ 1·8	299·8	305·2	11th	286·6	280·2	1st	293·2	*292·6*	+0·6	17	− 10
516	Denver	39 45	105 0	1613	839·8	1013·9	+ 3·2	302·0	307·4	14th	287·6	280·2	1st	294·8	*294·2*	+2·1	22	− 13
517	Abilene	32 23	99 40	530	952·5	1011·8	+ 0·1	308·8	315·2	26th	294·9	289·1	1st	301·9	*301·4*	+2·7	40	− 27
518	Saint Louis	38 38	90 12	173	993·4	1013·5	− 0·8	302·8	310·8	16th	293·3	287·4	23rd	298·1	*298·0*	+1·1	37	− 70
519	Mobile	30 41	88 2	17·4	1012·0	1014·2	− 1·0	305·8	311·3	17th	295·8	289·7	9th	300·8	*300·0*	+0·8	74	− 67
520	Nashville	36 10	86 47	166	995·1	1014·5	− 0·9	303·3	310·8	17th	292·6	285·8	24th	298·0	*298·0*	+0·3	69	− 39
521	Charleston	32 47	79 56	14·6	1012·6	1014·2	− 2·0	302·2	309·1	15th	295·5	293·0	19th	298·9	*298·9*	+0·1	7	−121
522	Washington	38 54	77 3	34·1	1010·0	1014·2	− 1·2	300·0	308·6	1st	289·1	283·6	23rd	294·6	*294·1*	−1·5	52	− 56
523	Bermuda	32 18	64 46	46·0	1012·6	1018·0	− 0·9	299·8	302·0	11th	294·1	291·7	3rd	296·9	*296·7*	0·0	202	+ 85
524	Santa Cruz (Flores)	39 27	31 9	28	1023·9	1027·0	+ 1·2	294·5	297·3	5th	289·9	285·8	8th	292·2	*292·1*	−0·2	95	+ 22
530	Horta	38 32	28 38	65	1018·4	1025·6	+ 1·5	294·0	297·1	20th	288·9	286·0	8th	291·5	291·3	−1·0	74	+ 12
531	Ponta Delgada	37 44	25 40	22	1022·8	1024·7	+ 1·2	293·9	295·8	1st	289·2	288·2	3rd	291·5	291·4	−0·7	..	..
532	Faja da Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	62	+ 8
532*a*	Madeira (Funchal)	32 37	16 54	25	1018·2	1021·2	+ 0·6	295·0	301·0	10th	289·8	287·9	18th	292·4	*292·5*	−0·3	6	− 5
533	Lisbon	38 43	9 9	95	1007·3	1018·5	+ 0·9	298·9	305·5	13th	290·2	288·2	5th	294·5	*294·1*	+2·1	0	− 20
534	Gibraltar	36 6	5 21	16·2	1016·5	1018·4	+ 0·8	298·1	307·4	28th	289·3	285·8	9th	293·7	*293·3*	−0·7	0	− 12
535	Melilla	35 18	2 59	8	‡1018·7	‡1019·6	+ 0·9	298·3	306·8	29th	288·3	286·0	2nd	293·3	*294·0*	−2·7	3	− 3
536		N.	W.															
536*a*		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal.	Temperature. Mean Max. A.	Absolute Max.	Date.	Mean Min. B.	Absolute Min.	Date.	Mean of A and B.	†24 hr. Mean. *	Diff. from Normal.	Precipitation. Total.	Diff. from Normal.
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Palma	39 34	2 39	23	1017·3	1020·0	+ 3·3	298·9	305·8	27th	287·7	284·8	1st, 19th	293·3	..	−1·6	11	−
538	Algiers (Bouzaréah)	36 48	3 2	343	976·6	1016·0	+ 0·1	296·4	304·8	29th	289·3	285·6	12th	292·8	292·7	−0·3	64	+
539	Tunis	36 48	10 10	21	1014·1	1016·8	+ 0·6	300·0	311·0	27th	288·7	284·5	1st	294·3	*293·7*	−1·9	5	+
539*a*	Malta	35 54	14 31	56·4	..	1015·9	− 0·5	297·4	304·5	29th	291·3	289·2	1st	294·3	*293·4*	−1·3	4	−
540	Riposto	37 41	15 14	14·2	..	1017·9	+ 1·2	297·0	300·4	20th	290·1	286·8	3rd	293·5	*292·5*	−2·2	7	−
541	Athens	37 58	23 43	107	1001·6	1014·1	+ 1·6	300·8	306·6	20th	291·9	285·8	1st	296·4	295·9	−1·0	9	
542	Alexandria	31 12	29 53	32·0	1009·4	1013·1	+ 0·4	300·9	304·4	5th	293·7	290·3	5th	297·3	*297·0*	+0·5	0	
543	Cairo (Helwan)	29 52	31 20	116	998·3	1011·6	+ 0·9	307·6	313·9	15th	292·6	288·8	3rd	300·1	299·5	−0·5	0	
544	Nicosia (P.W.D.)	35 9	33 22	159	991·6	1009·4	+ 0·4	305·5	311·9	14th	290·6	285·2	2nd	298·0	..	−0·1	0	
544*a*	Beirut	33 54	35 28	33·7	..	1011·9	+ 1·6	300·4	303·1	15th	293·6	290·2	3rd, 4th	297·0	*296·9*	−0·3	1	
545	Baghdad	33 21	44 28	38·1	..	1004·0	− 0·3	311·8	318·3	30th	297·2	293·2	12th	304·5	*302·5*	−0·9	0	
546	Basrah	30 31	47 53	7·6	1002·3	1003·3	− 0·4	311·1	316·3	21st, 22nd	297·2	293·4	5th	304·2	..	−1·2	0	
546*a*	Lenkoran	38 46	48 51	−19·3	..	..	..	..	..	..	..	..	..	..	..	..	..	
547	Teheran	35 41	51 25	1220	..	..	..	305·7	309·4	4th	291·3	286·7	13th	298·5	*298·1*	−1·3	5	+
548	Meshed	36 16	59 35	946	..	..	..	..	..	..	..	..	..	..	..	..	..	
549	Seistan	31 0	61 30	?	..	..	..	309·4	313·1	5th	296·4	293·2	24th	302·9	..	..	0	
550	Quetta	30 11	67 3	1677	827·6	..	− 0·3	306·1	308·1	2nd, 12th	285·7	280·6	17th	295·9	*295·5*	−0·7	0	
551	Peshawar	34 2	71 37	339	960·8	997·5	− 1·3	315·2	319·1	1st	297·8	293·8	26th	306·5	*306·3*	+0·4	21	
551*a*	Lahore	31 34	74 20	214	973·8	997·1	− 0·9	314·1	316·9	30th	300·6	295·3	10th	307·3	*307·1*	+0·2	46	
552	Simla	31 7	77 8	2205	777·4	..	− 0·3	294·0	297·5	2nd	288·2	284·9	26th	291·1	*290·7*	−1·6	272	
552*a*	Leh	34 10	77 42	3503	664·7	..	− 1·0	297·4	301·4	10th	281·7	278·1	26th	289·6	*289·0*	+2·2	1	
559	Hankow	30 35	114 17	37·0	1002·1	1006·3	+ 0·9	302·2	309·5	27th, 28th	295·0	290·9	12th	298·6	*298·2*	−0·5	151	
560	Tientsin	39 10	117 10	5·0	1003·8	1004·4	− 0·1	302·7	310·0	18th	292·8	288·2	3rd	297·7	*297·4*	+0·2	90	
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1006·8	+ 0·4	300·6	306·4	27th, 30th	292·3	287·0	6th	296·5	295·8	−0·2	238	
562	Jinsen (Chemulpo)	37 29	126 37	67·6	999·2	1007·2	+ 0·3	295·2	301·3	20th	288·4	284·2	7th	291·8	291·3	−1·0	142	
562*a*	Nagasaki	32 44	129 52	133	994·3	1009·8	+ 1·4	296·5	303·1	28th	291·0	286·9	7th	293·7	293·3	−1·2	325	
563	Kioto	35 1	135 44	42·9	1004·6	1009·6	+ 1·0	298·7	304·5	29th	289·4	281·7	8th	294·1	293·6	−0·4	151	
564	Tokio	35 41	139 45	21·3	1006·8	1009·3	+ 0·1	296·7	304·5	30th	290·1	285·4	8th	293·4	293·1	−0·4	149	
565	Kanayama	37 53	140 46	24·6	1006·4	1009·3	+ 0·1	295·9	305·3	28th	287·1	280·1	8th	291·5	291·4	+0·1	64	
566	Miyako	39 38	141 59	30·4	1005·0	1008·6	− 0·8	295·5	304·4	29th	285·6	281·5	8th	290·5	289·6	+0·8	51	

JUNE—ZONE 6. Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal.	Temperature. Mean Max. A.	Absolute Max.	Date.	Mean Min. B.	Absolute Min.	Date.	Mean of A and B.	†24 hr. Mean. *	Diff. from Normal.	Precipitation. Total.	Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
605	Honolulu	21 19	157 52	11·6	1014·2	1015·5	− 1·7	300·1	301·9	..	294·9	293·6	..	297·5	*297·4*	−0·1	22	−
614	La Paz	24 10	110 20	12	1009·0	1010·3	..	305·5	307·8	17th	291·6	288·4	19th	298·5	..	..	6	
615	Chihuahua	28 38	106 4	1423	859·6	1006·4	..	302·4	308·0	27th	290·5	286·2	1st	296·4	..	..	91	
616	Leon	21 7	101 41	1809	821·1	1007·1	+ 0·9	299·2	303·8	23rd	288·4	286·8	14th	293·8	*293·7*	−1·2	77	
616*a*	Monterry	25 40	100 18	528	952·3	1010·2	..	305·0	313·8	28th	294·4	291·8	18th	299·7	*299·5*	..	104	
617	Tulancingo	20 5	98 22	2180	..	..	..	..	..	..	297·0	..	..	..	..	..	..	
618	Galveston	29 18	94 50	16·5	1012·3	1014·2	− 0·0	303·7	310·2	18th	289·8	283·0	..	..	289·6	−1·0	66	
618*a*	New Orleans	29 58	90 4	16·2	..	1014·2	− 0·5	305·9	310·8	17th	296·9	292·4	10th	301·2	*300·9*	+0·7	71	
619	Merida, Yuc.	20 58	89 38	22	1010·3	1012·8	..	304·6	306·8	6th	296·2	294·6	12th	300·4	*299·9*	..	175	
620	Havana	23 8	82 21	24·3	..	1014·7	− 0·4	303·0	304·4	29th	296·7	295·2	3rd	299·9	*299·8*	+0·4	57	
620*a*	Key West	24 33	81 48	6·7	1013·5	1014·2	− 1·3	303·4	305·2	30th	298·2	296·3	3rd	300·8	*300·5*	−0·4	11	
621	Nassau, Bahamas	25 5	77 21	3·7	..	1016·6	− 0·2	302·3	304·7	29th	296·6	294·4	10th	299·4	*299·4*	−0·4	281	
622	Watling Island	24 6	74 26	33·5	1012·3	1016·1	− 0·7	..	303·0	24, 27, 30	..	298·6	sev. dates	..	*300·4*	..	..	
633	Izaña	28 19	16 30	2367	771·6	..	..	290·8	295·7	23rd	281·6	276·3	5th	286·2	*285·6*	..	0	
634	La Laguna	28 28	16 20	547	955·4	1018·4	+ 0·9	295·8	300·7	10th	286·1	283·0	10th	290·9	*290·2*	−0·3	0	
637	Insalah	27 1	W 2 21	?280	..	..	..	318·3	323·0	30th	298·1	290·6	19th	308·2	*309·5*	+0·6	0	
641	Siwa	29 12	E 25 29	−23	..	..	..	..	..	..	..	..	..	..	..	..	..	
642																		
643	Aswan	24 2	32 53	99·6	995·8	1007·0	− 0·5	315·1	319·4	16th	298·3	295·2	15th	306·7	*306·2*	+1·1	..	
644	Tor	28 14	33 37	1·9	1007·3	1007·5	+ 0·5	305·1	312·6	17th	295·6	292·4	5th, 6th	300·3	*299·2*	−0·4	..	
647	Bushire	28 59	50 53	4·3	1000·9	1001·5	+ 0·7	304·2	308·7	22nd	298·7	294·2	8th	301·4	*300·7*	−1·7	0	
648	Jask	25 44	57 47	4·0	999·4	999·8	− 0·3	308·4	310·8	22nd, 23rd	300·1	296·9	25th	304·3	*303·6*	−0·7	0	
649	Robat	29 45	60 55	?	901·6	..	..	312·7	315·9	12th	293·6	289·9	14th	303·1	..	..	0	
649*a*	Karachi	24 53	66 57	4·0	1000·4	1001·0	+ 0·6	304·4	305·3	22nd	300·7	300·0	11th, 12th	302·6	*301·9*	−0·8	0	
650	Jacobabad	28 17	68 29	56·7	991·0	997·2	− 0·3	317·7	320·9	25th	301·7	300·3	25th	309·7	*309·2*	−0·6	0	
651	Jaipur	26 56	75 52	436	953·1	1000·0	+ 0·1	313·1	315·9	21st	300·3	296·8	22nd	306·7	*306·0*	+0·4	1	
652	Nagpur	21 8	79 5	310	968·5	1002·9	+ 0·9	306·4	312·3	11th	297·5	294·7	17th	302·0	*301·0*	−2·7	279	
653	Allahabad	25 25	81 51	94·1	989·8	1000·2	+ 1·0	308·6	316·7	1st	299·4	295·0	11th	304·0	*303·3*	−2·8	219	
653*a*	Darjiling	27 3	88 18	2266	771·8	..	+ 1·1	291·9	294·4	12th	286·8	285·6	27th	289·3	*288·9*	+0·3	806	
654	Calcutta	22 36	88 23	6·4	999·9	1000·6	− 0·2	303·8	308·0	6th	298·2	296·1	1st	301·0	*300·9*	−1·2	409	
655	Gauhati	26 8	91 41	59·7	996·0	1002·8	− 0·3	304·2	306·4	6th	297·6	295·9	7th, 13th	300·9	*300·2*	−0·3	380	
655*m*	Cherrapunji	25 15	91 42	1314	863·2	..	− 0·2	293·2	295·7	28th	290·2	288·4	4th	291·7	*291·2*	−1·4	4316	
655*a*	Akyab	20 11	92 56	6·1	1004·0	1004·7	+ 0·5	301·9	304·4	9th	296·6	295·5	20th, 23rd	299·2	*299·3*	?−1·5	1497	
656	Mandalay	21 59	96 0	76·2	997·0	1005·5	+ 0·8	307·3	310·7	30th	298·7	296·9	15th	303·0	*302·2*	−0·4	112	
656*a*	Tengyueh	24 59	98 35	1633	829·6	..	..	295·1	300·2	21st	289·2	287·4	11th, 15th	292·2	*291·4*	..	261	
657	Phu Lien	20 48	106 37	11·5	991·0	1004·1	+ 0·2	303·7	307·1	23rd	297·4	294·2	6th	300·6	300·1	−1·1	309	
658	Moncay	21 31	107 51	9	1003·2	1004·2	+ 0·3	303·3	309·0	30th	296·9	294·7	7th	300·1	*299·9*	−1·1	154	
659	Hong Kong	22 18	114 10	33·2	..	1005·9	− 0·2	301·7	305·2	29th	297·7	295·7	17th	299·7	299·4	−0·8	630	
660	Amoy	24 27	118 4	ca.3	1006·6	1006·9	+ 0·1	300·8	306·9	29th	297·2	292·4	6th	299·0	*298·8*	−1·2	397	
661	Taihoku, Formosa	25 2	121 31	9·3	1006·6	1007·6	+ 0·6	305·1	308·4	26th, 30th	296·1	294·3	18th, 19th	300·6	299·7	0·0	489	
661*a*	Santo Domingo	20 28	121 59	18·7	..	..	..	306·8	308·4	23rd	298·7	297·3	26th	302·7	*302·3*	+0·9	151	
662	Naha	26 13	127 41	10·5	1009·0	1010·2	+ 1·4	304·3	306·0	17th, 26th	296·9	292·5	6th	300·6	300·3	+0·9	143	
665	Titizima (Bonin Islands)	27 5	142 11	4·0	1013·2	1013·6	+ 0·8	302·7	305·8	26th	295·9	292·7	7th	299·3	299·0	+0·3	77	

* For formulæ employed *see* pages 109 and 110. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 110.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal.	Temperature. Mean Max. A.	Absolute Max.	Date.	Mean Min. B.	Absolute Min.	Date.	Mean of A and B.	†24 hr. Mean. *	Diff. from Normal.	Precipitation. Total.	Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Colima	19 12	103 45	509	955·1	1009·6	..	303·7	307·0	18th	294·7	292·4	7th	299·2	*299·6*	..	190	..
716	Morelia	19 42	101 7	1923	808·5	1006·4	..	295·8	299·8	28th	286·5	284·4	14th	291·1	*290·6*	..	138	..
717	Mexico, Tacubaya	19 24	99 12	2309	774·4	1008·7	− 0·2	295·6	299·2	28th	283·8	281·9	19th	289·7	288·6	−1·1	130	+ 26
718	Oaxaca	17 4	96 42	1563	..	..	..	..	..	..	..	..	..	..	..	..	..	..
718*a*	Salina Cruz	16 12	95 12	56	1004·2	1008·5	..	303·6	306·0	6th	296·9	293·3	7th	300·2	*299·7*	..	584	..
719	San Salvador	13 42	89 13	‡665	936·9	1011·2	+ 0·4	304·7	309·0	24th	291·3	289·6	29th	298·0	*296·0*	−0·5	352	+ 87
720	Belize	17 29	88 12	5·2	1010·9	1011·6	+ 1·0	303·1	304·7	20th	297·3	294·9	17th	300·2	*299·8*	−0·6	133	−155
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1012·7	− 0·8	303·4	304·8	14th	295·3	293·1	25th	299·3	*299·6*	−0·4	99	− 60
722	Port au Prince	18 33	72 23	37·4	1009·8	1014·1	− 0·5	305·2	307·7	28th	295·6	293·6	17th	300·4	*299·5*	−0·7	128	+ 40
723	Caracas	10 30	66 55	‡1010	900·7	..	− 0·4	297·8	300·2	7th	288·8	284·5	7th	293·3	*292·2*	−1·4	124	+ 18
724*a*	Montserrat	16 41	62 9	39·6	1010·0	1014·5	− 1·0	305·4	307·4	2nd, 22nd	296·7	294·7	5th, 14th	301·1	*300·5*	..	97	..
725	Grenada (Richmond Hill)	12 5	61 46	155	994·5	1012·4	− 0·7	301·7	304·1	8th	296·3	294·1	11th, 17th	299·0	*298·5*	0·0	261	+ 42
731	Barbados	13 8	59 36	55·2	..	1013·6	− 0·8	302·3	303·3	9th, 13th	296·2	294·8	6th	299·3	*298·8*	0·0	132	+ 4
732	St. Vincent, C. Verde Is.	16 54	25 4	11	..	..	..	..	..	..	..	..	..	..	..	..	..	..
733	San Tiago, C. Verde Is.	14 54	23 31	?40	1010·1	1014·7	− 0·5	301·0	303·8	12th, 30th	295·5	294·4	9th	298·3	*298·2*	+0·4	0	0
734	Bathurst	13 24	16 36	1·5	..	1013·8	+ 0·6	304·3	307·4	9th	..	..	..	..	*300·3*	−0·9	101	+ 36
735	Ségou	13 42	14 46	1·1	..	..	..	310·2	313·6	4th	294·6	289·1	10th	302·4	..	−0·9	142	+ 37
736	Timbuctoo	13 34	6 17	300	..	..	..	..	..	..	..	..	..	..	..	..	..	..
737	Sokoto	16 43	W 3 2	270	..	..	..	..	..	..	..	..	..	..	..	..	..	..
738	Kaduna Capital	13 2	E 5 14	353	..	..	..	307·1	310·8	6th, 9th	294·7	289·7	13th, 27th	300·9	*300·4*	−2·2	146	+ 43
739	Katagum	10 32	7 25	637	944·1	1015·7	0·0	301·3	304·7	2nd	292·3	289·1	14th	296·8	*296·2*	−0·9	180	− 19
740	Maiduguri	12 17	10 22	30·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
741	El Fasher	11 47	13 11	361	..	..	..	310·2	315·2	1st	296·9	294·1	22nd	303·6	*303·0*	−0·5	112	+ 57
743	El Obeid	13 32	25 18	730	..	..	..	311·3	314·5	7th	295·6	293·1	1st, 29th	303·5	..	..	21	..
743*a*	Khartoum	13 11	30 14	569	944·7	1007·3	− 0·8	311·2	314·5	4th, 6th	294·1	290·9	29th	302·7	*302·0*	−0·3	62	+ 32
744	Port Sudan	15 37	32 33	390	963·3	1006·0	− 0·3	314·2	316·6	13th	299·6	294·7	20th	306·9	*306·9*	−0·2	14	+ 6
745	Berbera, Somaliland	10 27	45 2	9·2	1003·8	1004·8	− 0·1	314·5	317·4	22nd	302·8	299·7	5th	308·7	*307·9*	−0·5	0	0
746	Aden	12 45	45 3	28·7	1002·4	1005·5	+ 0·2	307·9	309·0	25th	301·9	299·9	16th	304·9	*304·6*	+0·1	0	− 2
751	Bombay	18 54	72 49	11·3	1005·1	1006·3	+ 1·0	303·8	304·7	12th, 30th	299·4	297·7	8th, 20th	301·6	*301·0*	0·0	275	−202
752	Cochin	10 58	76 21	2·7	1010·0	1010·2	+ 0·7	302·6	304·9	27th	297·2	295·5	18th	299·9	*299·2*	+0·2	393	−329
752*a*	Kodaikanal	10 14	77 28	2343	769·6	..	+ 0·2	292·1	294·0	21st	283·9	281·5	7th	288·0	*287·9*	−0·2	150	+ 48
753	Bangalore	12 59	77 38	920	908·1	1008·1	+ 0·8	302·3	304·3	27th	291·8	290·3	8th	297·1	*296·1*	−0·3	41	− 33
754	Madras	13 4	80 14	6·7	1005·4	1006·2	+ 0·6	309·8	312·0	10th	299·2	295·7	15th	304·5	*303·8*	−0·5	46	+ 1
755	Waltair	17 45	83 16	68·9	995·5	1003·1	+ 0·9	305·5	311·4	9th	299·1	296·3	13th	302·3	*301·6*	−0·6	73	− 52
756	Port Blair	11 40	92 40	17·7	1006·5	1008·4	+ 1·0	302·4	304·8	6th	297·6	295·8	9, 19, 21	300·0	*299·3*	−0·7	711	+222
757	Rangoon	16 46	95 48	5·5	1007·4	1008·0	+ 1·2	303·6	306·0	7th	297·0	295·1	4th	300·3	*299·2*	−0·2	282	−174
758	Saigon	10 47	106 42	11·2	1006·7	1007·9	+ 0·4	304·6	306·9	4th	296·2	293·8	14th	300·4	*299·9*	−0·6	331	+ 42
759	Nhatrang	12 15	109 12	3·6	1005·7	1006·1	− 0·2	305·7	308·2	12th	296·7	294·8	18th	301·2	*300·6*	−0·4	9	− 47
761	Bolinao	16 24	119 53	7·1	..	1004·9	− 1·6	305·9	308·0	1st	297·1	295·3	17th	301·5	*300·8*	−0·1	412	+ 31
761*a*	Vigan	17 34	120 23	12·2	..	1006·1	− 1·4	305·5	307·3	27th	297·0	294·5	30th	301·3	300·9	−0·1	579	+292
762	Manila	14 35	120 59	14·2	..	1007·1	− 1·0	305·5	308·1	18th	296·6	295·5	9th, 24th	301·1	300·2	−0·7	225	− 10
765	Ormoc	11 0	124 36	5·6	..	1007·5	− 0·4	304·6	306·5	16th	295·6	294·2	23rd	300·1	*299·4*	−0·3	389	+188
765*a*	Guam, Ladrone Is.	13 24	144 38	20·4	..	1008·4	− 0·8	303·5	304·4	19th	297·7	296·0	23rd	300·6	*300·7*	−0·4	177	+ 39

Between Latitude 10° N. and 0°. JUNE—ZONE 8.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal.	Temperature. Mean Max. A.	Absolute Max.	Date.	Mean Min. B.	Absolute Min.	Date.	Mean of A and B.	†24 hr. Mean. *	Diff. from Normal.	Precipitation. Total.	Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
805	Fanning Island	3 55	159 23	3·1	..	..	..	304·7	307·4	6th	296·3	294·7	20th	300·5	*300·0*	+0·1	479	+224
821	Colon	9 23	79 23	11·0	..	1009·6	− 0·7	302·0	303·6	17th	297·4	295·8	11th	299·7	*299·3*	+0·2	217	−123
822	Bogota	4 36	74 6	2645	..	..	..	..	..	..	..	..	..	..	..	..	23	− 23
822*a*	Merida, Venez.	8 36	71 9	1641	‡841·6	..	..	296·4	299·3	21st	288·3	287·0	13th	292·4	*291·3*	..	186	..
824	El Peru, Guayanavieja	7 19	61 49	220	985·4	1010·7	− 0·7	..	..	..	..	..	..	..	‡*296·1*	−0·1	163	− 36
825	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1013·4	0·0	302·4	303·6	4, 7, 28	297·0	295·2	13th	299·7	*299·4*	+0·2	221	− 65
826	Paramaribo	5 49	55 9	3·7	..	..	..	303·0	305·3	27th	294·6	292·2	18th	298·8	*298·0*	−0·5	326	+ 28
826*a*	Cayenne	4 56	52 21	6	..	..	..	304·8	305·4	5th	294·3	293·0	26th	299·5	*297·5*	−0·1	393	− 1
833	Conakry	9 31	13 43	16	..	..	..	..	..	..	..	..	..	..	..	..	..	..
834	Freetown, Sierra Leone	8 30	13 9	68·3	1005·1	1012·9	+ 0·2	302·2	305·2	12th	295·6	293·6	11th, 18th	298·9	*298·1*	−1·0	427	− 66
836	Cape Coast Castle	5 5	1 13	?	..	..	..	..	..	..	..	..	..	..	..	..	257	+ 37
837	Accra	5 33	W 0 12	25·7	..	..	..	302·9	..	..	297·0	..	..	299·9	*299·5*	+1·2	181	+ 16
838	Lagos	6 27	E 3 24	1·8	1012·7	1012·9	− 1·3	301·6	304·1	..	296·1	294·2	..	298·8	*298·4*	−0·1	461	− 22
838*a*	Zungeru	9 48	6 10	130	..	..	..	303·8	308·0	6th	294·7	292·4	22nd	299·3	*298·7*	−0·7	187	+ 24
839	Libreville	0 23	9 26	35	..	..	..	..	..	..	..	..	..	..	..	..	..	..
841	Yola	9 12	12 30	259	..	..	..	304·7	308·6	18th	295·9	293·6	2nd	300·3	*299·7*	−0·1	124	− 14
843	Wau	7 42	28 3	440	960·0	1009·6	− 0·2	304·8	307·5	11th, 18th	289·5	287·0	23rd, 26th	297·1	*297·4*	−1·4	128	− 41
843*a*	Malakal (Kodok)	9 35	31 37	394	965·9	1010·2	+ 0·5	307·4	311·1	11th	294·0	291·1	17th	300·7	*299·3*	..	214	+ 81
844	Mongalla	5 11	31 47	439	959·8	1009·0	− 1·1	305·7	309·5	5th	294·3	292·5	7th	300·0	*298·8*	+0·6	131	+ 14
845	Entebbe	0 5	32 29	1171	885·0	..	+ 0·2	297·3	299·4	28th	289·6	288·6	7, 10, 27	293·5	*293·2*	−0·6	131	+ 2
851	Harrar	9 42	42 30	1856	..	..	..	..	..	..	..	..	..	..	..	..	..	..
852	Minicoy	8 17	72 49	2·1	1010·8	1011·0	+ 1·1	..	..	..	..	..	..	..	..	..	130	−151
853	Colombo Observatory	6 54	79 53	7·3	1008·5	1009·3	+ 1·0	302·9	303·6	7th	298·5	295·8	17th	300·7	*300·0*	0·0	128	− 64
854	Nuwara Eliya	6 59	80 47	1886	..	..	..	292·5	296·4	3rd	285·3	281·6	2nd	288·9	*288·2*	+0·4	158	−171
855	Trincomalee	8 34	81 14	30·2	1002·9	1006·3	+ 1·1	307·7	308·9	22nd	298·6	297·4	4th	303·1	*302·4*	+0·4	23	− 10
856	Kota Radja	5 32	95 20	7·1	..	1009·4	− 0·4	..	..	..	..	..	..	..	..	..	..	..
857	Medan	3 35	98 41	25·0	..	1009·3	− 0·4	304·0	306·6	10th	294·3	291·9	27th	299·1	298·4	..	131	+ 36
858	Penang	5 34	100 20	5·0	1008·1	1008·7	− 0·9	304·2	306·3	18th	294·9	293·6	26th	299·5	*298·9*	−1·1	217	+ 86
859	Singapore	1 17	103 51	3	1009·1	1009·4	+ 0·

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	4 1 S.	155 1 W.	7·9	1009·9	1010·8	+ 0·4	305·3	306·3	8th, 24th	297·4	295·2	2nd	301·4	*300·6*	0·0	23	− 4
924	Manaos	3 8	60 1	43·8	..	..	..	304·0	306·0	13th	296·1	294·8	26th	300·1	*299·4*	−0·4	29	− 4
926	Taperinha	2 30	54 20	20·0	1009·6	1011·8	..	302·2	304·4	30th	294·6	292·5	18th	298·4	*297·3*	..	63	..
927	Turyassu	1 43	45 26	15·1	1010·1	1011·8	− 0·5	304·7	306·6	24th	294·5	293·1	11th	299·6	*298·4*	−0·1	184	+ 57
928	Barra do Corda	5 30	45 16	81·0	1001·8	1011·1	− 0·8	304·3	308·3	8th	291·6	288·6	29th	297·9	*296·7*	−0·9	19	− 4
929	Quixeramobim	5 16	39 15	207	989·9	1013·4	− 0·4	302·4	304·1	24th	295·9	294·4	28th	299·1	*298·7*	−0·6	87	− 6
930	Fernando Noronha	3 50	W32 25	106	1001·3	1013·4	− 0·4	300·3	301·8	9th	296·5	294·5	24th	298·4	*298·4*	..	68	− 6
939	Loanda	8 49	E 13 13	59·3	..	1014·5	− 0·1	295·9	299·0	1st	292·3	289·1	23rd	294·1	293·8	−0·5	0	− 2
940	Brazzaville	4 17	15 16	320	976·8	1013·5	− 0·7	300·7	304·5	1st	290·6	286·6	22nd	295·6	*294·9*	−0·8	0	− 2
943	Masaka	0 21	31 47	?1280	..	..	..	?297·9	..	..	?288·6	..	..	?293·3	*?291·1*	−1·2	51	+ 7
944	Nairobi	1 14	36 44	1800	..	..	..	293·0	296·9	22nd	284·1	277·4	10th	288·6	*287·8*	−0·4	32	+ 12
944*a*	Zanzibar	6 10	39 11	21·9	1015·9	1018·4	+ 0·1	300·3	301·6	2nd	296·3	294·4	11th	298·3	*297·9*	−0·2	159	+ 25
945	Lamu	2 16	40 50	3·1	..	..	..	304·7	305·8	22nd	297·4	296·9	4th	301·1	*300·6*	+1·0	172	+ 25
947	Seychelles, Port Office	4 37	55 27	4·6	1012·5	1012·9	+ 1·0	300·4	301·5	..	298·2	295·7	..	299·3	*298·7*	+0·3	18	− 4
957	Padang	0 56	100 22	6·7	..	1010·7	− 0·4	302·7	304·0	1st	295·8	295·1	6th	299·3	298·5	..	386	+ 47
958	Batavia	6 11	106 50	8·0	1009·8	1010·7	+ 0·8	303·1	304·1	14th, 26th	295·7	293·3	28th	299·4	299·1	0·0	14	− 4
958*a*	Pontianak	0 1	109 20	2·6	..	1010·1	+ 0·2	304·6	306·0	2nd	295·8	294·3	30th	300·2	299·2	..	183	+ 19
959	Passerocan	7 38	112 55	5·0	..	1011·4	+ 0·9	303·3	304·8	23rd	294·1	291·2	28th	298·7	299·0	−0·1	0	− 6
960	Kajoemas	7 56	114 9	1060	..	..	..	297·6	299·4	13th	289·5	287·9	17th	293·5	292·7	..	0	− 6
962	Ambon	3 42	128 10	4·2	..	1010·8	+ 0·8	299·9	301·5	14th	295·5	293·9	12th	297·7	297·5	−0·3	845	+ 49
963	Manokwari	0 52	134 20	19·0	..	1008·1	− 1·0	303·1	304·2	9th	295·3	294·2	6th	299·2	298·5	..	260	+ 19
965	Daru	9 4	143 13	7·6	..	1011·8	+ 0·3	300·9	..	..	..	..	..	..	‡*299·3*	−0·3	11	− 6
966	Port Moresby	9 29	147 9	39·0	..	1011·7	+ 0·8	300·6	..	..	295·4	..	..	298·0	*297·6*	−1·5	3	− 6
967																		
968	Rendova	8 30	157 12	1·8	1009·6	1009·8	0·0	..	..	..	..	..	..	..	..	..	431	+ 407
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1009·9	1010·1	0·0	302·8	304·9	10th	297·6	296·6	15th	300·2	*300·0*	0·0	105	− 6
970	Ocean Island	0 52 S.	169 35 E.	20·0	1004·7	1007·1	− 0·9	304·7	305·8	2nd, 9th	297·4	296·3	sev. dates	301·1	*300·4*	+0·1	117	− 6

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		°	°	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1002	Apia, Samoa	13 48 S.	171 46 W.	2	..	1011·6	+ 0·1	302·6	303·4	7th, 8th	296·1	293·1	29th	299·3	299·1	+0·7	111	− 3
1003	Alofi, Niue Island	19 2	169 55	36·6	..	..	..	301·4	304·1	17th	293·7	291·3	3, 7, 11	297·6	*297·4*	..	24	− 3
1007	Makatea	15 47	148 14	47	1007·5	1012·9	..	302·8	305·1	3rd	295·2	292·1	2nd	299·0	*298·5*	+0·8	131	+ 7
1021	Arequipa	16 22	71 33	2451	760·8	..	− 1·0	293·2	296·4	24th	282·0	278·6	17th	287·6	*286·2*	+0·7	0	− 3
1022	Puerto de Arica	18 28	70 20	5	..	..	..	293·0	293·4	1st, 7th	286·3	285·0	30th	289·7	*291·2*	+1·6	0	− 3
1023																		
1024	Sucre, Bolivia	19 30	64 24	2848	729·2	..	..	289·6	292·8	13th	277·5	272·5	25th	283·5	*283·4*	..	8	+ 1
1025	Corumba	18 59	57 39	116	999·8	1013·4	..	300·6	306·0	13th	288·7	273·8	25th	294·6	*293·4*	−0·7	11	− 3
1026	Cuyaba	15 36	56 6	165	993·6	1012·6	− 1·2	301·6	304·3	13th, 15th	293·0	283·6	25th	297·3	*297·1*	−0·1	2	− 3
1027	Bello Horizonte	19 55	43 55	857	920·7	1017·8	− 1·7	296·6	301·6	16th	283·0	275·4	26th	289·8	*289·8*	−0·2	6	− 3
1028	Caetite	14 3	42 37	900	916·9	1016·3	− 0·8	299·0	303·7	19th	288·6	284·5	27th	293·8	*294·4*	+1·4	23	− 3
1029	Ondina (Bahia)	13 0	38 31	46·6	1009·6	1015·1	− 1·5	300·6	302·7	19th	294·5	292·8	28th	297·6	*297·0*	+0·1	152	+ 12
1030	Aracaju	10 55	37 3	4·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1035	St. Helena	15 57	W 5 40	632	947·6	1019·8	+ 0·4	292·4	296·9	5th	285·9	284·2	30th	289·1	*288·8*	0·0	156	+ 5
1042	Gwelo	19 27	E 29 49	1417	865·0	..	− 0·4	294·2	298·0	27th, 28th	276·9	273·6	15th	285·6	..	−0·6	0	− 3
1043	Salisbury, Rhodesia	17 49	31 3	1457	860·6	..	− 0·2	292·4	294·1	sev. dates	278·4	275·8	22nd	285·4	..	−1·4	0	− 3
1044	Zomba	15 23	35 18	‡945	911·8	1018·7	+ 0·2	295·7	299·1	10th, 28th	284·2	279·1	24th	289·9	*289·2*	−0·2	3	− 3
1045	Tananarive	18 55	47 32	1400	867·9	..	+ 0·5	293·5	296·5	9th	283·9	280·6	18th	288·7	*287·6*	+0·5	9	− 3
1046	Sainte-Marie	17 0	49 51	15	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1055	Cocos Keeling Is.	12 5	96 53	4·6	1011·9	1012·4	+ 0·4	302·5	304·2	15th	298·4	296·6	18th	300·4	..	+1·0	88	− 15
1056																		
1057	Christmas Island	10 25	105 43	5·5	1009·1	1009·7	+ 0·7	304·8	305·8	..	296·6	295·2	..	300·7	*300·2*	+0·9	10	− 15
1058																		
1061	Koepang	10 10	123 34	45·1	..	1012·3	+ 1·1	303·4	305·5	24th	292·5	288·7	15th	297·9	297·5	..	23	− 1
1061*a*	Derby	17 18	123 40	16·2	1013·7	1015·6	+ 1·0	304·3	306·8	20th	288·3	284·6	19th	296·3	..	+0·6	0	− 3
1062	Hall's Creek	18 13	127 46	374	974·2	1016·3	0·0	302·8	306·8	18th	281·1	277·4	7th	291·9	*291·2*	+0·2	0	− 3
1063	Darwin	12 28	130 51	29·6	1009·3	1012·6	+ 0·7	304·3	307·2	9th	293·1	291·1	6th, 29th	298·7	*297·5*	−0·4	0	− 3
1064	Daly Waters	16 16	133 23	211	989·2	1013·1	− 1·1	303·3	306·3	18, 19, 21	284·9	279·7	27th	294·1	*293·4*	−0·1	0	− 3
1065	Mein	13 13	142 47	122	998·1	1011·9	+ 0·2	301·9	303·3	12th, 30th	288·7	284·7	11th, 12th	295·3	..	−1·3	1	− 3
1066	Georgetown, Queensland	18 22	143 32	302	980·9	1015·2	+ 0·1	301·9	305·8	20th	282·9	277·4	14th	292·4	..	−1·1	0	− 3
1067	Samarai	10 37	150 40	15·2	..	1010·0	− 2·0	299·8	..	..	295·8	..	..	297·8	*297·6*	−0·8	269	+ 2
1072	Suva, Fiji	18 8 S.	178 26 E.	16·8	..	1013·5	− 1·7	300·0	303·0	11th	294·1	291·4	8th, 21st	297·1	*296·9*	+0·3	226	+ 3
		°	°	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 112 and 113. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 112 and 113.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		′ °	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12 S.	159 47 W.	6	..	..	..	..	..	..	..	..	..	..	..	..	92	− 17
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1013·5	1016·8	− 0·7	288·9	293·6	10th	283·5	280·0	30th	286·2	*285·9*	+0·9	19	− 28
1122	Iquique	20 12	70 11	9	..	..	..	..	..	..	..	..	..	..	..	..	0	0
1123	Catamarca	28 27	65 47	510	..	1015·4	− 0·1	291·2	298·1	6th	277·7	268·9	24th	284·5	284·3	+0·2	3	0
1124	Salta	24 46	65 28	1178	881·8	1014·2	− 1·3	291·1	303·0	28th	..	..	..	284·2	+0·1	0	− 1	
1125	Goya	29 9	59 15	26	..	1016·6	− 1·1	291·0	300·5	1st	283·0	273·0	24th	287·0	286·3	−0·4	35	− 5
1126	Asuncion	25 21	57 37	95	‡1005·9	‡1017·3	− 1·7	293·8	301·2	13th	285·8	271·3	24th	289·8	289·1	−0·8	113	+ 52
1127	Curityba	25 25	49 17	908	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1128	Rio de Janeiro	22 54	W43 10	61·4	1010·1	1017·3	− 1·9	297·3	304·6	18th	290·5	283·9	26th	293·9	293·5	−0·2	3	− 55
1139	Windhoek	22 35	E 17 5	1680	..	..	..	291·3	294·8	13th	280·3	276·2	1st	285·8	*285·7*	−0·4	0	− 1
1140																		
1141	Kimberley	28 42	24 47	1202	886·8	..	− 1·5	291·4	295·3	25th	275·3	270·1	10th	283·4	282·9	+0·6	1	− 7
1142	Johannesburg	26 11	28 4	1806	827·2	..	+ 0·2	289·2	291·5	14th	278·2	272·4	23rd	283·7	*283·2*	+0·3	1	− 2
1142*a*	Pretoria (Brooklyn)	25 46	28 13	1400	866·9	..	+ 0·4	292·1	294·9	30th	276·6	271·0	1st	284·3	*283·8*	+0·7	0	..
1143	Durban	29 52	31 3	15·2	1020·4	1022·2	− 1·2	295·3	297·7	26th	284·9	281·2	23rd	290·1	*289·6*	−0·2	31	+ 2
1144	Lorenzo Marques	25 58	32 36	59	..	1021·6	− 0·4	297·8	303·8	27th	285·4	281·4	2nd	291·6	290·9	−0·4	10	− 4
1147	Mauritius	20 6	57 33	55·2	1013·3	1019·9	+ 0·9	296·8	298·2	2nd	289·9	286·9	4th	293·3	293·0	−0·6	68	− 3
1159	Onslow	21 43	114 57	4·3	1015·4	1016·2	+ 0·7	299·3	303·4	3rd	287·6	280·0	30th	293·4	..	+1·5	29	− 16
1160	Peak Hill	25 38	118 47	588	949·1	1016·2	− 1·4	293·3	298·4	11th	283·1	276·8	29th	288·2	..	+1·2	36	0
1161	Nullagine	21 53	120 5	386	973·3	1017·0	− 0·4	300·2	304·0	11th	282·0	273·3	30th	291·1	..	+1·6	0	− 27
1162	Laverton	28 40	122 23	466	964·0	1018·7	− 1·4	292·1	299·7	1st	280·0	270·8	29th	286·0	*285·9*	+0·9	25	+ 1
1163	Alice Springs	23 38	133 37	587	950·5	1017·1	− 2·1	296·4	303·0	18th	278·8	271·6	7th	287·6	*287·3*	+2·1	0	− 14
1164*a*	William Creek	28 55	136 21	76·2	1009·7	1018·8	− 1·1	292·9	303·6	17th	280·0	274·1	29th	286·4	*286·1*	+1·2	5	− 11
1165	Boulia	22 55	139 38	146	999·0	1015·9	− 0·9	299·0	306·3	18th	281·8	275·8	30th	290·4	*290·1*	+2·0	0	− 10
1166	Thargomindah	27 58	143 43	123	1002·7	1017·4	..	294·0	300·9	14th	279·7	274·2	30th	286·8	*286·5*	..	0	− 21
1167	Mitchell	26 32	147 52	336	978·7	1017·6	..	295·3	304·1	19th	273·7	269·7	23rd	284·5	..	−0·3	6	− 37
1168	Rockhampton	23 24	150 30	11·3	1015·1	1016·3	− 1·5	298·2	303·2	20th	283·4	278·6	29th	290·8	..	+0·4	3	− 47
1169	Brisbane	27 28	153 2	11·6	1015·5	1016·7	− 1·4	295·6	304·6	19th	281·8	276·6	29th	288·7	*287·5*	0·0	5	− 62
1170	Quitchambo	21 52	166 3	38	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Norfolk Island	28 58 S.	168 3 E.	15·2	1012·9	1014·7	− 2·4	292·6	294·4	20th	287·8	283·3	27th	290·2	..	0·0	221	+ 71

Between Latitude 30° S. and 40° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
				metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1221	Juan Fernandez	33 37 S.	78 50 W.	10	..	..	..	288·5	292·2	7th, 8th	283·5	280·5	15th	286·0	*286·3*	−0·4	206	+ 52
1221*a*	Punta Tumbes	36 37	73 6	91	‡1005·5	‡1016·6	0·0	286·4	289·2	24th	279·9	274·0	23rd	283·1	*283·1*	−0·8	68	− 50
1222	Punta Angeles, Valparaiso	33 1	71 38	41	1011·5	1016·5	− 1·4	288·7	294·2	18th	281·6	276·5	23rd	285·1	*284·6*	−0·7	185	+ 41
1222*a*	Santiago	33 27	70 42	520	955·8	1017·6	− 0·5	288·0	295·0	24th	276·9	270·7	23rd	282·5	*281·3*	+0·4	66	− 17
1223	Cordoba	31 25	64 12	423	965·5	1015·9	− 1·3	290·2	296·1	..	275·0	265·0	..	282·6	282·1	−0·7	5	− 2
1224	Bahia Blanca	38 45	62 15	25	..	1015·4	− 0·9	285·3	290·5	8th	277·0	270·0	24th	281·1	280·9	−0·6	23	− 2
1225	Buenos Ayres (Chacarita)	34 36	58 22	25	..	1015·9	− 2·5	286·0	291·8	1st	278·9	270·9	23rd	282·5	282·3	−1·3	44	− 24
1226	Montevideo (Prado)	34 52	56 12	24·9	1012·4	1015·4	− 2·0	287·3	295·2	1st	280·5	272·6	26th	283·9	283·8	−0·1	57	− 13
1226*a*	Porto Alegre	30 2	W51 13	23·5	1014·5	1017·3	− 2·4	291·5	299·7	2nd	283·4	272·5	26th	287·5	287·0	+0·7	29	− 92
1239	Cape Town	33 56	E 18 29	12·2	..	1017·6	− 2·5	290·1	296·8	6th	282·2	277·3	15th	286·2	*285·0*	0·0	122	+ 13
1240	Danger Point	34 37	19 18	27·7	1013·4	1016·7	..	290·2	295·8	18th	283·4	279·7	28th	286·8	..	..	65	..
1241	Riversdale	34 6	21 16	?61	1005·3	..	..	293·2	299·7	6th	277·7	273·6	2nd, 28th	285·4	..	..	22	..
1242	East London	33 1	27 54	9·8	1017·8	1019·0	− 2·6	295·1	302·4	9th	282·1	277·4	1st	288·6	..	−0·3	11	− 31
1259	Perth (Observatory)	31 57	115 51	60·0	1008·6	1016·0	− 1·8	291·6	296·3	1st	284·8	279·2	28th	288·2	*288·3*	+1·4	267	+ 93
1260	Katanning	33 42	117 35	310	977·5	1014·4	− 2·7	289·3	294·7	1st	281·2	274·1	28th	285·3	..	+1·5	84	+ 13
1261	Coolgardie	30 57	121 10	423	967·7	1017·5	− 1·4	290·3	297·0	1st	279·9	272·0	28th	285·1	*285·0*	+0·6	42	+ 11
1262	Eucla	31 45	128 58	4·6	1015·6	1016·1	− 2·4	292·7	301·1	1st	282·7	276·9	29th	287·7	*287·4*	+1·4	12	− 15
1263	Streaky Bay	32 48	134 13	13·1	1016·7	1018·3	− 1·1	290·7	295·8	1st	283·5	277·4	23rd	287·1	*286·8*	+1·5	44	− 27
1264	Adelaide	34 56	138 35	42·7	1011·9	1017·0	− 2·1	289·7	292·4	2nd	281·8	276·3	8th	285·8	*285·7*	+0·9	69	− 9
1265	Melbourne	37 49	144 58	35·1	1011·5	1015·8	− 2·7	287·3	291·4	2nd	281·2	277·6	30th	284·3	*283·9*	+1·1	45	− 8
1266	Bourke	30 13	145 58	110	1007·0	1019·9	+ 0·1	295·2	298·6	15th	276·1	271·3	26th	285·7	..	+0·6	3	− 25
1267	Sydney	33 52	151 13	44·5	1010·6	1015·8	− 2·1	291·4	295·4	15th	281·1	278·2	29th	286·3	*285·2*	+0·7	14	−109
1268	Lord Howe Island	31 20	159 0	4·6	1014·0	1014·5	− 1·9	292·9	295·3	15th	286·9	280·8	24th	289·9	..	+0·2	154	− 36
1271	Auckland	36 50	174 50	38·1	..	1010·5	..	288·4	291·9	14th	282·2	279·1	5th, 6th	285·3	..	+0·4	202	+ 80
1272	Napier	39 32 S.	176 53 E.	21·3	..	1008·3	− 4·6	288·1	293·0	2nd	278·6	273·6	30th	283·3	..	+0·2	22	− 45

Between Latitude 40° S. and 50° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
				metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1301	Chatham Island	43 52 S.	170 42 W.	104	..	..	..	..	..	..	..	..	..	..	..	..	106	+ 23
1321	Isla Huafo	43 34	74 45	140	998·8	1016·0	+ 3·0	..	..	..	278·3	274·8	21st	..	*279·8*	..	64	− 81
1322	Punta Galera	40 1	73 44	40	1012·2	1017·1	+ 2·3	283·7	286·2	sev. dates	279·5	275·2	23rd	281·6	*281·7*	−1·0	335	− 24
1323	Sarmiento	45 30	69 0	274	..	1012·6	..	280·7	286·0	30th	272·3	263·8	29th	276·5	276·4	+0·4	4	− 5
1324	Puerto Madryn	42 49	W64 58	14	..	1014·4	..	284·5	290·1	5th	274·4	266·4	23rd	279·5	279·4	−0·7	24	+ 4
1365	Launceston	41 27	E147 10	10·1	1010·8	1012·0	− 3·6	286·3	289·6	16th	277·5	273·4	12th	281·9	*281·4*	+0·9	119	+ 30
1366	Hobart	42 53	147 20	53·9	1004·3	1011·0	− 3·2	284·8	288·0	24th	278·0	273·7	8th	281·4	*280·9*	+0·2	50	− 6
1370	Invercargill	46 25	168 21	5·5	..	..	..	282·3	285·2	2nd, 8th	275·7	269·1	29th	279·0	..	−0·1	135	+ 47
1371	Dunedin	45 52	170 31	91·4	..	1007·8	− 4·2	282·5	286·9	1st, 9th	277·3	272·4	28th	279·9	..	+0·7	105	+ 86
1371*a*	Christchurch	43 31	172 38	7·6	..	1006·8	− 7·3	284·4	291·3	2nd	275·4	270·8	30th	279·9	..	+0·3	83	+ 12
1372	Wellington	41 16 S.	174 46 E.	2·4	..	1007·7	− 6·0	286·4	289·6	3rd	280·1	273·5	30th	283·3	..	+0·6	180	+ 54
		°	°	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 113 and 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 113 and 114.

JUNE—ZONE 14.

Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal.	Temperature. Mean Max. A.	Absolute Max.	Date.	Mean Min. B.	Absolute Min.	Date.	Mean of A and B.	†24 hr. Mean. *	Diff. from Normal.	Precipitation. Total.	Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	999·0	1005·8	+ 3·0	278·8	280·9	30th	275·5	272·5	21st	277·1	*277·0*	−0·6	312	+
1422	Puerto de Punta Arenas	53 10	70 54	4	1003·1	1003·6	+ 0·6	278·0	281·4	3rd	273·1	269·6	21st, 22nd	275·5	*276·2*	+0·9	119	+
1423	Punta Dungeness	52 24	68 26	5	1003·0	1003·6	+ 1·6	280·4	283·0	1st	273·8	270·6	21st	277·1	*276·4*	+0·1	39	+
1424	Santa Cruz	50 11	68 21	12	..	1007·5	+ 1·5	278·6	282·8	3rd	272·1	265·7	11th	275·3	275·6	+0·6	43	.
1424*a*	Año Nuevo	54 39	64 9	50	995·0	1001·2	+ 1·3	277·3	279·7	1st	274·4	270·9	22nd	275·9	276·1	+0·5	54	.
1425	Stanley, Falkland Is.	51 41	57 51	4	..	..	..	..	..	..	..	..	..	..	..	..	75	+
1426	Cape Pembroke	51 41	57 42	21	..	1005·5	+ 3·0	278·3	280·8	4th	273·8	271·3	18th	276·1	276·6	+0·5	..	.
1429	S. Georgia(CumberlandBay)	54 14 S.	36 33 W.	4	1008·0	1008·5	+10·4	273·5	278·8	7th	268·1	263·6	15th	270·8	*271·4*	−0·5	78	−

JUNE—ZONE 15.

Between Latitude 60° S. and 70° S.

1527	South Orkneys	60 44 S.	44 39 W.	7	1000·3	1001·2	+ 4·8	269·9	274·5	5th	262·0	243·5	15th	265·9	266·4	+2·9	40	+
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 115.

† Estimates not based on at least six equally-spaced observations each day are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—JUNE 1918.

Date.	St. Helena. 1035. Direction.	St. Helena. 1035. ††Mean Velocity for the Day.	Fanning Island. 805. Direction.	Sierra Leone. 834. Direction and Force (Beaufort).	Entebbe. 844. Direction and Force (Beaufort).	Malden Island. 905. Direction and Force (Beaufort).	Tulagi. 969. Direction and Force (Beaufort).	Ocean Island. 970. Direction and Force (Beaufort).	Suva, Fiji. 1072. Direction and Force (Beaufort).
	9h.	m/s	17h.	9h. 17h.	7h. 21h.	9h.	9h.	9h. 21h.	9h.
1	SE	7·1	SW	W 1 W 2	W 2 SW 7	SE 2	SE 4	E 1 E 1	S
2	SSE	—	Calm	SE 3 SE 2	W 4 W 2	E by N 2	SE 4	E 2 E 1	S
3	SE	—	Calm	NE 1 Calm 0	Calm 0 SW 2	E by N 2	Calm 0	E 3 E 2	SW
4	SE	—	SE	Calm 0 SW 1	W 2 SW 4	E 2	Calm 0	E 2 E 1	NE
5	ESE	2·8	SW	SW 1 W 4	W 1 W 2	SE 2	SE 8	E 3 E 1	Calm
6	SSE	5·8	S	Calm 0 Calm 0	W 2 SW 2	ESE 2	SE 6	E 1 E 1	SW
7	SE	8·4	SE	SW 3 W 5	W 2 W 4	E 5	Calm 0	E 2 E 2	W
8	SE	8·9	SE	Calm 0 NW 1	W 2 SE 2	E 2	SE 4	E 2 E 2	Calm
9	SE	8·4	Calm	Calm 0 Calm 0	W 1 SW 2	ESE 3	SE 2	E 2 E 2	Calm
10	SE	7·4	SE	N 1 Calm 0	SW 1 S 7	ESE 2	SE 2	E 1 E 2	N
11	ESE	6·2	SE	Calm 0 SW 1	SW 1 SW 6	ESE 3	SE 2	E 3 E 2	Calm
12	SE	6·5	SE	S 1 Calm 0	SW 2 SW 4	E 4	SE 6	E 2 E 3	Calm
13	SE	7·5	NE	Calm 0 E 3	SW 4 SW 4	ESE 3	SE 8	E 3 E 2	Calm
14	ESE	4·5	NE	SW 1 SW 2	W 2 SW 4	ESE 3	SE 2	S 3 S 4	Calm
15	SE	4·2	NE	NE 3 E 2	SE 1 W 2	SE 6	SE 2	S 3 S 4	Calm
16	SE	4·2	Calm	E 3 SE 2	W 1 W 2	ESE 4	SE 2	S 2 S 4	Calm
17	SSE	5·5	SE	NE 1 SW 3	SW 2 SW 2	ESE 6	SE 2	ENE 3 NE 2	Calm
18	SSE	5·4	SE	SW 4 NE 2	SW 2 W 2	SE 3	SE 6	SE 3 NW 4	Calm
19	SE	5·2	SE	Calm 0 NE 3	W 2 SW 3	ESE 3	SE 2	NW 3 NNW 2	Calm
20	SE	4·5	SE	Calm 0 SW 4	W 1 SW 2	SE 2	SE 8	S 2 S 2	SE
21	SE	4·2	Calm	Calm 0 SW 3	W 2 SE 4	ESE 3	SE 8	SSE 2 NE 1	NE
22	SE	4·8	SE	Calm 0 Calm 0	W 4 S 1	SE 3	SE 6	ENE 2 NE 1	Calm
23	SE	5·1	SE	Calm 0 SE 2	W 1 W 2	SE 5	SE 6	ENE 2 NE 1	Calm
24	SE	4·9	SE	S 1 SW 2	SW 1 W 2	ESE 3	SE 8	ENE 1 ENE 3	Calm
25	SE	7·3	SE	Calm 0 SW 1	SW 1 W 1	ESE 4	SE 2	NE 2 SW 2	Calm
26	SE	—	Calm	NE 1 NE 3	SW 1 SW 2	SE 5	SE 4	ESE 2 ESE 2	Calm
27	SSE	—	SE	SW 1 Calm 0	W 1 S 1	ESE 3	SE 6	ENE 2 ESE 2	Calm
28	SE	—	SE	Calm 0 SW 2	SW 1 SW 2	ESE 3	SE 4	ESE 2 ESE 2	Calm
29	SE	—	SE	Calm 0 W 3	SW 5 SW 2	ESE 4	Calm 0	E 1 E 1	Calm
30	SE	—	SE	Calm 0 Calm 0	SE 4 S 1	ESE 3	SE 2	ESE 3 S 3	Calm
Mean	..	5·9	..	0·9 1·8	1·9 2·7	3·2	4·1	2·2 2·1	
§Resultant	140° (95)	..	130° (59)	210° (16)	235° (78)	115° (92)	135° (86)	100° (69)	225° (5
§Normal	136° (84)	6·4	‖102° (70)	267° (19)	245° (40)	87° (84)	131° (81)	109° (53)	97° (10

†† Mean velocity of the South-East Trade Wind at 632 metres.
§ Direction and "constancy." For explanation *see* Introduction.
‖ Normal refers to $\frac{1}{2}(9+21)$.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—JUNE 1918.

‡‡ *Barents Sea.*—In the north the position of the ice was about normal but in the south the ice extended further west than usual. North of the Kanin peninsula there was a little open water. The area covered was 1048 × 10^3 sq. km. compared with a normal of 841 × 10^3 sq. km.

‡‡ *White Sea.*—Ice extended along the east coast from Cape Kanin to Cape Voronov.

‡‡ *Spitsbergen.*—There was no ice on the west coast. Scattered drift ice occurred near South Cape and in Hinlopen and Olga Straits; there was a broad land water with scattered ice some miles offshore from Hinlopen Strait to Danes Head. By the 30th Wijde Bay was almost free of ice.

‡‡ *Iceland* was free of ice, the normal duration being 7 days.

‡‡ *Greenland Sea and Denmark Strait.*—From Prince Charles Foreland where the edge of the ice was 60 miles offshore to latitude 63°N. the ice was far more easterly than usual and, owing to the SE. winds and swell, generally very close. Scattered polar ice occurred opposite Angmagsalik and the bay ice began to go adrift by the middle of the month. The area covered was 1043 × 10^3 sq. km. compared with a normal of 921 × 10^3 sq. km.

N. Atlantic and Labrador.—A few icebergs between 200 and 300 ft. high were observed off the Newfoundland Banks.

‡‡ *Davis Strait.*—Scattered "Storis" was met with 120 miles south of Cape Farewell. A belt of ice (unusually broad, 150 miles) extended from Cape Farewell to Godthaab with a land water from Nanortalik to Godthaab. Packed ice occurred from the Western Isles to Disko Bay, but later this and the ice at Egedesminde and Umanak broke up.

‡‡ *Baffin Bay and Smith Sound.*—Ice 5 miles wide occurred near C. York and C. Parry, but open water reached to C. Atholl though Wolstenholme Sound was full of ice.

‡‡ *Bering Sea and Beaufort Sea.*—River ice occurred in Bristol Bay early in the month and pack ice off C. Nome. The firm ice edge extended northwards from Kolintschin Bay

‡‡ *Isforholdene i de Arktiske Have*, 1918, 1919, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, JULY 1918.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF JULY 1918 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. JULY—ZONE 1.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B.	†24 hr Mean *	Diff. from Normal.	Precipitation. Total.	Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
105	Barrow	71 23	156 17	6·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
123	Inglefield Bay	77 20	67 30	?	1017·8	..	+ 7·4	..	286·3	19th	..	270·5	3rd	..	*276·8*	..	1	..
124	Upernivik	72 47	W56 7	18·9	1018·2	1020·5	+ 9·3	281·8	288·3	19th	274·3	270·5	30th	278·1	*277·1*	−0·9	42	+ 19
125	Spitsbergen(GreenHarbour)	78 2	E 14 14	11·4	1020·9	1022·3	+ 9·4	..	287·2	13th	278·0	275·4	29th	..	280·4	+2·7	4	− 15
139	Gjesvaer	71 6	25 22	6·5	1016·7	1017·5	+ 5·9	..	295·2	24th	281·9	277·8	20th	..	*285·2*	+2·4	24	− 27
140	Mehavn	71 1	27 47	6·4	1017·1	1017·9	+ 5·8	..	295·6	5th	281·1	277·4	16th	..	*283·9*	+1·3	6	− 50
141	Vardö	70 22	31 8	10·0	1017·5	1018·7	+ 6·9	..	287·8	1st	279·5	276·2	18th	..	*281·4*	−0·2	6	− 41
142	Malye Karmakouly	72 23	52 43	14·8	1017·6	1019·4	+ 6·4	..	..	..	..	..	..	..	..	..	..	..
143	Waigatz	70 24	58 47	11·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
147	Maudhavn	77 33 N.	105 40 E.	2·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..

Between Latitude 70° N. and 60° N. JULY—ZONE 2.

202	Gambel	63 51	171 35	6·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
203	Nome	64 30	165 24	6·7	..	1013·9	+ 2·4	288·1	296·3	21st	280·2	274·7	1st	284·1	*284·3*	+0·6	53	− 16
204	Candle	65 55	161 57	2·4	..	..	..	291·2	?302·4	9th	280·6	?273·0	1st	285·9	..	..	57	..
205	Tanana	65 10	152 6	67·1	..	1013·2	+ 2·2	296·7	304·1	16th	281·6	274·7	5th	289·1	*289·9*	+1·4	56	+ 3
206	Rampart	65 30	150 15	122	..	..	..	299·7	308·6	13th	283·2	277·4	3rd	291·4	..	..	14	− 23
207	Valdez	61 7	146 16	8·2	..	1017·6	+ 1·2	289·9	297·4	6th, 7th	281·1	277·4	1st	285·5	*285·7*	+0·2	35	− 37
208	Eagle	64 46	141 12	254	..	1012·2	+ 2·1	297·4	306·3	14th	281·8	276·3	4th, 23rd	289·6	..	+2·3	20	− 21
209	Dawson	64 4	139 20	328	974·4	1012·7	− 0·8	298·0	303·6	14, 15, 17	280·2	274·7	23rd	289·1	..	+0·8	23	− 28
210	Carcross	60 11	134 34	662	..	..	..	295·1	300·8	16th	278·4	273·6	1st	286·8	..	+1·6	27	− 2
211	Fort Good Hope	66 25	128 53	65·2	1007·8	1015·8	..	292·4	301·3	14th	277·4	270·8	21st	284·9	..	..	66	+ 60
212	Fort Simpson	61 52	121 35	129	998·1	1013·6	..	294·1	301·3	8th	280·8	274·7	20th	287·4	..	−1·3	15	− 31
213	Hay River	60 51	115 20	161	994·6	1013·9	..	292·4	303·0	9th	279·7	273·6	13th	286·1	..	−2·5	24	..
225	Jacobshavn	69 13	51 2	12·6	1019·2	1020·7	+ 9·2	..	‡285·3	18th	276·4	270·9	1st	..	279·7	−1·0	40	+ 10
226	Godthaab	64 11	51 43	9·0	1017·6	1018·7	+ 8·9	283·6	289·2	20th	275·5	271·9	6th	279·5	*279·1*	−0·5	..	..
227	Ivigtut	61 12	48 10	5·0	1018·7	1019·3	+ 9·7	289·2	296·4	21st, 22nd	278·4	274·1	2nd	283·8	*284·4*	+1·5	46	− 38
229	Angmagsalik	65 37	37 33	31·7	1014·8	1018·7	+ 7·5	287·1	294·1	15th	276·7	272·4	9th	281·9	*281·5*	+1·7	13	− 43
231	Stykkisholm	65 5	22 46	11·3	1013·8	1015·2	+ 5·7	285·3	294·3	31st	278·7	275·5	12th	282·0	*281·9*	−0·8	14	− 24
232	Vestmanno	63 26	20 15	7·7	1011·8	1012·7	+ 3·5	288·3	292·6	12th	281·0	277·9	5th	284·7	*283·6*	−0·1	20	− 61
233	Grimsey	66 33	17 58	22	..	..	..	280·9	289·4	31st	275·9	274·2	1st	278·4	*278·6*	−1·6	2	− 27
2334	Akureyri	65 40	18 4	6·8	1015·6	1016·4	+ 6·5	..	..	..	..	..	..	..	..	..	..	..
234	Berufjord	64 40	14 19	18·0	1012·4	1014·6	+ 4·6	285·3	290·2	2nd	277·9	275·1	28th	281·6	*281·6*	−0·2	51	− 12
235	Thorshavn	62 3	6 45	26·3	1008·7	1011·9	+ 0·3	285·4	288·0	14, 25, 26	281·2	277·5	2nd	283·3	*283·0*	−0·4	98	+ 19
236	Lerwick	60 9 W	1 8	147	994·4	1012·4	+ 1·2	285·7	289·7	17th,20th	281·1	278·0	2nd	283·4	*283·3*	..	68	..
237	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1005·9	1011·2	0·0	291·4	298·5	24th	283·5	277·8	8th	287·5	*287·2*	−0·1	113	− 5
238	Christiansund	63 7	7 45	17·8	1010·2	1012·3	+ 1·1	..	298·2	18th	284·3	280·8	1st	..	*287·5*	+1·4	27	− 51
239	Trondhjem	63 26	10 25	39·5	1007·8	1012·5	+ 1·5	293·4	299·7	17th	285·0	281·1	7th	289·2	*288·4*	+1·7	21	− 46
240	Bodö	67 17	14 24	22·4	1011·0	1013·7	+ 2·9	..	298·6	4th	284·8	281·0	22nd	..	*288·4*	+2·9	21	− 50
242	Haparanda	65 50	24 9	9·2	1012·1	1013·2	+ 2·9	294·3	301·0	3rd, 5th	284·2	278·5	18th	289·3	*289·1*	+1·1	19	− 27
2424	Helsingfors	60 10	24 57	11·7	1008·8	1010·2	− 0·8	294·6	302·1	4th	287·3	284·3	11th	290·9	*290·6*	+0·8	74	+ 15
243	Kuopio	62 54	27 40	90·3	1000·3	1011·0	− 0·1	295·0	302·8	5th	285·9	280·0	18th	290·5	*290·8*	+1·5	63	− 6
244	Kola	68 53	33 1	6·7	1016·0	1016·8	+ 6·1	288·4	300·2	2nd	280·2	272·0	18th	284·3	*284·6*	−0·7	65	+ 17
245	Petrozavodsk	61 47	34 23	38·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
246	Arkhangelsk	64 35	40 36	6·2	1010·8	1011·5	+ 0·9	291·1	303·8	3rd	282·1	274·3	19th	286·6	*286·4*	−2·3	32	− 28
247	Mezen	65 50	44 16	12·6	1009·6	1011·1	+ 1·2	288·4	301·0	1st	278·7	270·5	19th	283·6	*283·7*	−2·9	31	− 17
248	Oust-Tsylma	65 25	52 14	? 70	1001·0	1009·4	+ 0·3	290·7	299·2	1st	282·3	273·6	11th, 19th	286·5	*286·0*	−1·3	85	..
249	Tcherdyn	60 24	56 31	?177	985·5	1006·3	− 2·8	294·8	303·0	21st	285·2	277·3	6th	290·0	*289·4*	−0·6	105	+ 43
250	Berezov	63 56	65 4	39·9	1007·0	1011·7	+ 2·2	294·0	299·4	21st	286·8	276·6	10th	290·4	*291·0*	+2·3	138	+ 81
251	Obdorsk	66 31	66 35	23·7	1007·5	1010·3	+ 0·7	..	‡295·9	13th	284·4	276·6	10th	..	*287·7*	+1·2	117	+ 70
252	Sourgout	61 15	73 24	? 40	1003·2	1007·9	− 0·1	..	302·0	20th	286·0	277·4	12th	..	*292·4*	+2·6	52	− 10
253	Doudinka	69 23	86 4	20	1007·1	1009·5	+ 2·3	..	300·0	11th	282·8	277·0	9th, 30th	..	*288·3*	..	19	..
254	Touroukhansk	65 47	87 57	45	1004·7	1010·0	+ 4·5	..	302·1	1, 6, 11	284·1	275·9	30th	..	*291·7*	+2·9	34	− 16
262	Iakoutsk	62 1	129 43	108	992·0	1004·8	− 1·0	..	300·1	11th	282·3	278·2	18th	..	*289·0*	−2·6	54	+ 13
263	Verkhoïansk	67 33	133 23	100	991·0	1002·9	− 0·9	..	295·8	2nd	281·2	277·2	18th	..	*286·6*	−1·7	60	+ 31
271	Markovo-sur-Anadyr	64 45	170 50	25·9	1006·7	1009·8	+ 1·1	..	..	..	281·4	278·3	17th	..	‡*286·3*	−1·4	56	+ 26
272	Novo-Mariinskii Post	64 45 N.	177 33 E.	23·5	1009·2	1012·0	+ 1·7	285·2	292·6	24th	280·0	277·2	23rd	282·6	‡*282·6*	−1·7	33	+ 3
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm

* For formulæ employed *see* pages 105 and 106. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 105 and 106.

JULY—ZONE 3.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
301	Atka	52 12	174 20	7·6	..	..	..	285·2	290·2	31st	279·9	278·6	11th	282·5	..	..	178	
302	St. Paul Island	57 15	170 10	6·1	..	1008·8	− 2·4	283·4	287·4	12th	279·1	277·4	5th	281·3	..	..	86	
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	1012·2	− 3·9	286·6	291·3	28th	280·9	278·0	8th, 9th	283·8	..	0·0	35	
304																		
305	Dillingham	59 0	158 28	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
306	Kodiak (Radio)	57 46	152 22	6·1	..	1016·6	+ 1·9	289·8	299·7	6th	281·7	278·0	9th	285·8	..	..	30	
309	Sitka	57 3	135 19	27·4	..	1017·3	− 0·2	290·1	298·6	8th, 14th	282·8	277·4	1st	286·4	*286·9*	+0·6	45	
310	Prince Rupert	54 18	130 18	51·8	1009·0	1015·3	− 2·2	290·8	300·2	15th	283·6	279·7	2nd, 4th	287·2	*286·9*	+0·1	129	
311	Barkerville	53 2	121 35	1274	872·3	1017·7	+ 3·5	292·4	301·9	17th	279·1	270·8	24th	285·8	*285·3*	+0·3	62	
312	Kamloops	50 42	120 29	385	971·9	1016·1	+ 0·2	301·9	311·9	17th	286·9	281·3	4th	294·4	*294·5*	+0·5	31	
313	Calgary	51 2	114 2	1045	896·9	1014·8	+ 3·6	299·7	307·4	19th	281·3	273·0	25th	290·5	*289·7*	+1·6	34	
314	Fort Chipewyan	58 42	111 10	218	988·5	1014·3	..	294·1	300·8	10th	280·2	271·9	24th	287·2	*287·9*	−2·2	22	
315	Prince Albert	53 10	106 0	442	963·9	1015·2	+ 5·2	297·4	306·3	18th	281·9	273·6	24th	289·7	*289·3*	0·0	32	
317	Qu'Appelle	50 30	103 47	645	940·2	1014·2	+ 2·2	297·4	310·2	18th	282·4	271·9	25th	289·9	*289·1*	−0·8	64	
317	Minnedosa	50 15	99 50	515	955·5	1015·1	+ 2·9	297·4	306·3	18th, 20th	281·3	275·2	16th	289·4	*288·8*	−1·2	60	
318	Berens River	52 18	97 23	216	..	..	..	297·1	310·8	12th	281·9	273·6	29th	289·5	..	−1·8	41	
318*a*	Port Nelson	57 4	92 36	14·9	1013·0	1014·8	+ 4·6	291·3	304·1	12th	278·0	274·1	24th	284·7	..	−0·5	61	
319	Fort Hope	51 33	87 49	‡260	984·1	1016·9	..	294·7	303·0	12th, 24th	280·2	271·9	18th	287·4	*288·1*	−1·9	96	
320	Moose Factory	51 14	80 30	9·1	1014·7	1015·8	+ 3·6	292·4	303·6	24th	278·6	271·9	2nd, 20th	285·5	..	−4·3	7	
321	Fort George	53 50	79 5	97·5	..	..	..	289·0	297·4	4th	279·2	273·0	19th	284·1	*284·0*	..	70	
322	Mistassini Post	50 15	73 55	383	..	..	..	293·1	300·8	14th	283·5	276·9	4th	288·3	..	+0·5	156	
323	Hebron	58 12	62 21	15·0	1021·1	1022·9	..	..	..	..	276·8	273·0	..	..	*279·5*	..	..	
324	Natashquan	50 8	61 48	?	..	..	..	290·1	297·4	29th	282·4	277·4	2nd, 3rd	286·3	..	−0·2	187	
326	Belle Isle	51 53	55 23	133	1000·2	1016·6	+ 4·4	283·6	291·3	4th	274·7	269·1	1st	279·1	*279·3*	−3·7	67	
334	Cahirciveen (Valencia Obs.)	51 56	10 15	13·7	1011·3	1012·9	− 2·6	290·8	294·1	30th	284·9	281·9	20th	287·8	287·9	−0·1	121	
335	Aberdeen	57 10	2 6	26·8	1007·9	1011·1	− 1·5	288·7	293·0	19th	283·2	278·6	10th	286·0	285·9	−0·7	150	
336	Greenwich	51 28	W 0 0	46·3	1008·8	1014·3	− 0·9	295·6	300·8	1st	284·5	281·3	28th	290·0	289·3	−0·5	187	
337	Uccle	50 48	E 4 22	100	1002·7	1014·6	− 1·3	295·8	303·1	16th	284·0	280·2	5th	289·9	289·6	−0·6	97	
338	De Bilt	52 6	5 11	3·0	1014·1	1014·5	− 0·6	294·2	300·7	21st	285·1	279·0	1st	289·7	289·2	−0·9	135	
338*a*	Hamburg	53 33	9 58	26·0	1010·6	1013·7	− 0·1	294·1	300·5	17th	286·4	282·4	1st	290·3	*289·9*	−0·1	86	
339	Copenhagen	55 41	12 36	5·0	1011·8	1012·4	− 0·5	292·4	297·5	3rd	286·6	282·8	8th	289·5	*289·3*	−0·2	113	
340	Potsdam	52 23	13 4	84·9	1003·8	1013·9	− 0·5	296·1	302·7	17th	285·9	280·8	1st	291·0	290·3	−0·2	70	
340*a*	Upsala	59 51	17 38	24	1007·6	1010·4	− 0·3	295·8	302·7	4th	284·0	280·1	10th	289·9	290·2	+1·0	34	
341	Warsaw	52 13	21 1	133	997·1	1012·7	− 0·9	296·7	303·0	10th	286·9	281·4	8th	291·8	291·6	−0·3	172	
342	Dorpat (Jurjev)	58 23	26 43	74·5	1001·7	1010·5	− 0·5	295·7	304·3	4th	285·9	280·1	19th	290·8	290·3	+0·3	113	
343	Petrograd	59 56	30 16	4·8	1009·2	1009·8	− 1·2	294·6	303·3	4th	287·4	280·9	19th	291·0	*291·0*	+0·4	55	
344	Kiev	50 27	30 30	183	989·1	1010·5	− 1·2	296·7	304·5	11th	287·4	283·8	21st	292·0	*291·1*	−1·7	153	
344*a*	Moscow	55 50	37 33	167	989·0	1008·6	− 2·0	295·8	302·7	5th	285·4	279·8	20th	290·6	*290·5*	−1·4	58	
345	Saratov	51 32	46 3	59·9	..	..	..	..	..	..	..	..	..	..	..	..	..	
346	Kazan	55 47	49 8	79·9	998·6	1008·0	− 1·2	298·4	304·3	3rd	287·3	282·2	7th	292·8	*292·1*	−1·1	57	
347	Orenburg	51 45	55 6	109	995·5	1008·3	+ 0·2	300·5	305·8	17th	287·4	283·3	16th	294·0	*293·8*	−0·7	59	
348	Perm	58 1	56 16	163	988·6	1007·7	− 0·8	296·7	304·2	20th	286·1	279·2	8th	291·4	*291·0*	0·0	100	
349	Ekaterinburg	56 49	60 38	281	974·8	1007·5	− 1·8	295·7	303·0	20th	285·4	278·2	7th	290·6	*290·3*	0·0	48	
350	Tobolsk	58 12	68 14	?108	995·6	1008·2	− 1·5	298·2	305·2	20th	287·5	281·6	11th	292·8	*293·4*	+2·1	51	
351	Akmolinsk	51 12	71 23	?347	967·2	1006·9	− 1·1	..	305·4	22nd	286·2	282·0	10th	..	*293·7*	+0·5	19	
352	Omsk	54 58	73 23	90	..	..	..	..	..	..	..	..	..	..	*293·6*	+1·4	26	
353	Barnaoul	53 20	83 48	162	..	..	..	..	..	..	..	..	..	..	..	..	..	
354	Tomsk	56 30	84 58	122	992·7	1007·1	0·0	..	302·0	21st	286·1	280·4	1st	..	*291·5*	+0·5	53	
355	Minousinsk	53 43	91 41	249	977·9	1006·7	0·0	..	303·0	10th	..	..	..	..	*292·6*	..	42	
356	Eniseisk	58 27	92 10	77·6	997·9	1007·1	0·0	..	300·1	14th	285·0	277·0	1st	..	*291·1*	−0·7	92	
357	Irkutsk	52 16	104 19	467	952·3	1005·9	− 0·7	..	299·6	20th	284·3	277·0	1st	..	*290·2*	−0·5	89	
358	Kirensk	57 47	108 7	263	..	..	..	..	..	..	..	..	..	..	..	..	..	
359	Tchita	52 2	113 30	687	927·4	1004·9	+ 0·6	..	304·9	9th	283·3	278·0	22nd	..	*291·1*	−0·5	65	
360	Nertchinskii Zavod	51 19	119 37	626	934·0	1004·7	− 0·2	..	302·0	27th	283·7	278·4	19th	..	*291·4*	+0·1	85	
361	Tygan Ourkan	54 5	124 46	379	960·8	1004·6	..	297·8	303·8	16th	279·8	273·5	19th	288·8	*289·8*	..	127	
362	Blagoveshchensk (Bureau Météor.)	50 16	127 30	142	988·8	1005·3	+ 0·7	298·9	304·2	31st	287·4	281·7	1st	293·2	*293·4*	−0·7	41	
363	Paikanskii Sklad	50 11	130 7	?145	988·3	1005·2	..	298·2	303·1	28th	284·3	278·8	20th	291·2	*292·5*	..	53	
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	1005·2	1007·8	+ 0·7	..	297·7	29th	284·3	276·7	23rd	..	*287·6*	−1·8	60	
366	Okhotsk	59 21	143 12	6·0	..	..	..	..	..	..	..	..	..	..	..	..	..	
367																		
368	Petropavlovsk (Radio)	53 0	158 39	13·5	..	..	..	..	..	..	..	..	..	..	..	..	..	
369																		
371	Attu Island	52 56 N.	173 13 E.	4·9	..	..	..	..	..	..	..	..	..	..	..	..	..	
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 106 and 107. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

JULY—ZONE 4.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	70·1	1007·4	1015·8	− 0·9	292·4	298·6	17th	283·6	280·8	2nd	288·0	287·3	−0·4	12	+ 3
412	Portland, Oregon	45 32	122 41	46·6	1010·2	1015·6	− 1·4	298·8	305·8	28th	286·9	281·9	3rd	292·9	*292·7*	+0·6	27	+ 12
413	Macleod	..	..	..	..	..	..	299·7	310·2	19th	282·3	275·2	4th, 24th	291·0	*291·4*	−0·2	30	− 21
414	Helena	49 44	113 24	953	..	..	..	298·8	307·4	31st	284·8	277·4	24th	291·8	*291·6*	−0·8	81	+ 52
414*a*	Salt Lake City	46 34	112 4	1253	875·1	1014·5	+ 1·1	303·8	311·3	30th	290·7	286·3	25th	297·2	*297·2*	−0·4	19	+ 6
415	Cheyenne	40 46	111 54	1329	867·6	1012·2	+ 0·2	298·6	304·7	31st	284·8	280·8	1st	291·7	*291·4*	−1·3	99	+ 49
416	North Platte	41 8	104 48	1856	817·3	1015·2	+ 2·5	303·4	310·2	3rd	290·0	285·2	1st	296·7	*296·3*	0·0	48	− 23
416*a*	Bismarck	41 8	100 45	859	918·9	1015·9	+ 2·5	300·6	309·1	31st	285·5	279·7	29th	293·0	*293·2*	−1·0	53	− 4
417	Winnipeg	46 47	100 38	511	957·3	1016·9	+ 3·1	298·0	305·2	20th	283·6	277·4	6th	290·8	*290·3*	−1·2	51	− 29
418	Duluth	49 53	97 7	232	988·1	1015·3	+ 2·6	295·7	305·2	19th	285·1	280·8	1st	290·4	*290·6*	−0·2	31	− 72
419	Port Arthur	48 27	89 12	196	992·5	1015·7	+ 2·0	295·2	299·7	9th	284·1	276·9	30th	289·7	*289·3*	−0·1	45	− 51
420	Chicago	41 53	87 37	251	987·9	1017·6	+ 2·4	298·3	306·9	21st	291·3	284·7	1st	294·8	*294·7*	−0·8	68	− 20
421	Toronto	43 40	79 24	116	1001·7	1015·4	+ 1·2	300·2	306·3	21st	288·0	281·9	2nd	294·1	293·4	+1·0	59	− 18
422	New York (Central Park)	40 46	73 58	30·2	1011·6	1015·1	− 0·4	301·2	309·7	22nd	292·2	286·9	3rd	296·7	296·1	−0·9	111	0
423	St. John, N.B.	45 17	66 4	36·2	1010·7	1015·0	+ 1·5	292·4	300·8	28th	285·2	283·0	3, 12, 15	288·8	288·6	0·0	133	+ 41
424	S.W. Point, Anticosti	49 24	63 33	9·1	1014·2	1015·3	+ 4·9	288·0	292·4	26th	283·6	280·8	1st	285·8	*285·9*	−0·9	156	+ 73
424*a*	Sable Island (Main Station)	43 57	60 6	7·6	1017·7	1018·6	+ 2·5	290·8	294·1	13th	285·8	282·4	9th	288·3	*287·7*	+0·1	46	− 50
425	Port aux Basques	47 35	59 10	9·1	1016·4	1017·5	+ 3·9	288·6	294·1	26th	283·6	279·7	2nd, 3rd	286·1	*285·9*	0·0	116	− 1
426	St. John's, Newfoundland	47 34	52 42	38·1	1014·2	1018·8	+ 5·7	289·1	298·6	11, 12, 31	280·2	276·9	30th	284·7	*284·5*	−3·2	57	− 33
435	Madrid	40 24	3 41	655	941·4	1014·7	− 0·1	309·5	313·1	16th, 19th	287·5	284·3	11th	298·5	297·4	+1·1	1	− 9
436	Nantes	47 15	W 1 34	36·5	1012·2	1016·5	− 1·1	296·8	303·9	31st	285·5	282·0	4th	291·1	290·9	−0·8	67	+ 10
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1010·6	1016·6	− 0·4	297·9	306·6	20th	285·0	281·8	5th, 11th	291·5	291·2	−0·1	54	+ 2
438	Marseilles	43 18	5 23	75	..	1015·3	+ 0·2	301·7	306·6	17th	289·0	284·4	30th	295·3	*295·1*	−0·2	6	− 22
438*a*	Zürich	47 23	8 33	493	960·2	1017·4	0·0	297·2	308·3	17th	285·7	281·2	2nd	291·5	290·7	−0·8	78	− 51
439	Rome	41 54	12 27	45	1009·6	1015·0	0·0	302·8	307·4	18th	291·7	287·9	3rd	297·2	*297·3*	−0·2	10	− 9
440	Vienna	48 15	16 22	203	990·2	1014·0	− 0·8	295·2	302·2	18th	287·7	284·0	1st	291·5	291·3	−1·2	93	+ 23
440*a*	Buda-Pesth	47 31	19 2	130	998·3	1013·6	− 0·6	299·9	308·2	18th	288·6	283·7	2nd	294·2	*293·7*	−0·1	49	− 6
441	Soña	42 42	23 20	550	951·6	1014·1	+ 1·4	301·0	306·5	26th	288·2	282·7	9th	294·6	*294·0*	+0·4	34	− 33
442	Bucharest	44 25	26 5	82	1003·0	1012·6	− 0·2	303·0	307·6	12th, 13th	289·3	285·6	31st	296·2	295·6	−0·2	141	+ 74
443	Odessa (University)	46 26	30 46	42·8	1006·8	1011·8	− 0·5	298·3	301·4	16th	290·0	286·2	9th	294·2	*294·0*	−1·4	53	+ 4
444	Kharkov (University)	50 0	36 14	140	993·9	1010·3	− 1·7	298·2	304·3	1st, 12th	287·3	282·9	18th, 20th	292·8	*292·1*	−0·9	91	+ 25
444*a*	Novorossiisk	44 44	37 49	37·1	1008·3	1012·6	+ 1·6	299·6	302·0	4th, 26th	289·4	286·0	19th	294·5	*295·2*	−0·8	78	+ 22
445	Tiflis	41 43	44 48	404	965·1	1010·8	+ 0·4	304·7	310·7	1st	291·5	286·6	21st	298·1	*297·4*	0·0	10	− 40
446	Astrakhan	46 21	48 2	−13·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
447	Fort Alexandrovsk	44 31	50 7	−18·0	1011·2	1009·1	− 1·0	302·0	308·7	31st	293·7	290·0	20th	297·8	*298·0*	−0·5	56	+ 38
448	Krasnovodsk	40 0	52 59	−17·2	1010·8	1008·8	+ 0·2	307·1	311·9	7th	296·4	291·9	21st	301·8	*301·2*	−0·3	0	− 4
449	Aralskoe More	46 47	61 42	56	1002·3	1008·8	+ 0·6	304·0	309·0	20th	292·1	289·5	12th, 24th	298·0	*299·0*	−1·0	20	..
450	Tachkent	41 20	69 18	478	952·2	1005·4	+ 1·1	308·5	312·4	20th	291·6	287·2	17th	300·0	*299·6*	−0·1	3	− 1
451	Narynskoe	41 26	76 2	?2015	794·7	..	..	..	..	..	282·6	278·6	8th, 18th	..	*289·1*	−1·2	46	..
452	Vernyi	43 16	76 53	841	..	..	..	..	..	..	..	..	..	..	..	..	..	..
461	Mukden	41 48	123 23	43·8	997·6	1002·6	− 1·5	302·9	305·5	15th	292·9	288·6	6th	297·9	297·4	−0·2	163	+ 6
462	Joshin	40 40	129 11	4·0	1005·2	1005·7	− 1·3	294·1	299·1	2nd, 27th	289·0	286·8	16th	291·5	291·1	−1·7	241	+118
463	Yuki	42 20	130 24	65·6	998·6	1006·4	..	293·3	300·9	27th	288·1	285·2	12th	290·7	290·3	..	245	..
464	Vladivostok	43 7	131 55	128	991·8	1007·0	− 1·2	292·7	298·3	16th	287·2	284·1	6th	290·0	289·4	−2·2	246	+169
465	Ochiai	47 20	142 44	6·6	1007·8	1008·6	− 1·6	292·6	301·8	31st	283·3	274·2	15th	287·9	288·0	+0·1	85	− 21
466	Nemuro	43 20	145 35	26·7	1006·7	1009·9	− 0·2	291·1	300·5	2nd	284·5	280·7	14th	287·8	287·4	+0·3	209	+112
466*a*	Syana	45 14 N.	147 53 E.	39·3	1005·6	1010·3	− 0·4	289·7	297·3	22nd	282·4	274·3	15th	286·1	285·9	−0·5	93	+ 13

Between Latitude 40° N. and 30° N.

JULY—ZONE 5 (Western Half).

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		N. ° ′	W. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
511	San Francisco	37 48	122 26	47·2	1008·7	1014·5	+ 0·2	291·5	296·9	20th	284·3	282·4	7th	287·9	*287·2*	+0·1	0	− 1
512	San Luis Obispo	35 18	120 39	61·3	1007·2	1014·5	+ 0·1	297·5	302·4	19th	284·6	281·9	24th	291·0	*289·4*	−0·5	0	0
513	San Diego	32 43	117 10	26·5	1010·0	1013·2	+ 0·3	295·7	299·1	18th	290·3	289·1	12th	293·0	*292·5*	+0·1	0	− 1
514	Modena	37 48	113 54	1670	835·3	1012·5	+ 1·0	301·9	307·4	30th	284·9	280·2	26th	293·4	*293·0*	−0·9	24	− 13
515	Santa Fé	35 41	105 57	2138	791·8	1012·2	+ 0·6	299·8	302·4	26th	287·6	285·2	16th	293·7	*292·7*	−0·7	61	− 5
516	Denver	39 45	105 0	1613	841·0	1015·6	+ 2·9	301·6	307·4	31st	287·8	285·2	1st	294·7	*293·9*	−1·2	74	+ 31
517	Abilene	32 23	99 40	530	954·1	1013·2	0·0	310·3	314·1	10th	296·9	293·0	1st	303·6	*303·0*	+2·1	11	− 43
518	Saint Louis	38 38	90 12	173	996·3	1016·6	+ 1·4	304·0	310·8	26th	293·6	288·0	31st	298·8	*298·7*	−0·5	15	− 75
519	Mobile	30 41	88 2	17·4	1014·4	1016·6	+ 0·3	305·1	309·1	24th	295·4	291·9	2nd	300·2	*299·2*	−0·7	72	−109
520	Nashville	36 10	86 47	166	998·1	1017·6	+ 1·5	303·4	308·0	7th	291·6	286·3	2nd	297·5	*297·3*	−2·0	92	− 13
521	Charleston	32 47	79 56	14·6	1014·9	1016·6	− 0·2	303·4	310·8	7th	295·2	290·8	13th	299·3	*299·1*	−1·3	195	+ 21
522	Washington	38 54	77 3	34·1	1011·9	1015·9	+ 0·5	302·3	308·6	21st	290·8	284·7	3rd	296·6	*296·1*	−1·8	96	− 20
523	Bermuda	32 18	64 46	46·0	1015·4	1020·8	+ 0·4	300·3	301·7	20th	295·5	293·1	25th	297·9	*297·8*	−1·2	115	− 1
524	Santa Cruz (Flores)	39 27	31 9	28	1017·4	1020·4	− 5·5	296·2	298·4	27th	291·8	289·0	31st	294·0	*293·9*	−0·5	129	+ 68
531	Horta	38 32	28 38	65	1013·5	1020·7	− 4·3	295·6	298·6	13th	290·6	289·0	20th	293·1	293·3	−1·5	68	+ 14
532	Ponta Delgada	37 44	25 40	22	1019·4	1021·2	− 2·9	296·1	298·7	27th	291·6	289·5	6th	293·8	293·7	−0·6	..	..
532*a*	Faja da Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	66	+ 34
533	Madeira (Funchal)	32 37	16 54	25	1018·6	1021·5	+ 1·3	296·3	298·5	23rd	291·1	289·2	12th	293·7	*293·8*	−0·8	0	− 3
534	Lisbon	38 43	9 9	95	1007·1	1018·3	+ 0·7	299·8	307·9	4th	291·3	288·2	11th	295·6	*294·9*	+0·8	1	− 4
535	Gibraltar	36 6	5 21	16·2	1014·6	1016·5	− 0·5	301·1	307·4	23rd	292·1	289·1	12th	296·6	*295·8*	−0·2	1	0
536	Melilla	35 18 N.	2 59 W.	8	‡1016·4	‡1017·3	− 1·5	302·2	310·0	24th	291·1	286·4	14th	296·6	*298·0*	−1·4	10	+ 10
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.

JULY—ZONE 5 (Eastern Half).

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Palma	39 34	2 39	23	1017·3	1020·0	+ 2·6	302·4	308·2	16th	292·1	289·4	4th	297·2	..	−0·8	35	..
538	Algiers (Bouzaréah)	36 48	3 2	343	976·3	1015·1	− 0·7	300·9	312·6	16th	292·7	289·9	3rd	296·8	296·4	+0·5	5	..
539	Tunis	36 48	10 10	21	1014·4	1017·1	+ 1·6	304·8	309·6	22nd	292·7	288·4	5th	298·8	297·9	−0·5	2	..
539a	Malta	35 54	14 31	56·4	..	1015·2	− 1·0	299·4	307·2	23rd	295·6	292·7	8th	297·5	296·7	−1·2	0	..
540	Riposto	37 41	15 14	14·2	..	1017·4	+ 1·1	300·8	303·6	27th, 28th	294·4	292·4	8th, 9th	297·6	296·1	−1·8	17	..
541	Athens	37 58	23 43	107	1000·1	1012·4	+ 1·0	305·2	309·5	18th	295·6	290·8	1st	300·4	300·0	+0·2	1	..
542	Alexandria	31 12	29 53	32·0	1007·3	1011·0	+ 1·1	303·2	305·8	25th	296·1	294·4	2nd	299·7	299·1	+0·7	0	..
543	Cairo (Helwan)	29 52	31 20	116	996·4	1009·6	+ 1·4	310·0	313·7	19th	294·4	292·4	1st	302·2	301·8	+1·0	0	..
544	Nicosia (P.W.D.)	35 9	33 22	159	989·8	1007·6	+ 1·6	308·8	313·0	15th, 16th	293·2	289·1	7th, 8th	301·0	..	−0·2	0	..
544a	Beirut	33 54	35 28	33·7	..	1010·0	+ 3·2	303·2	304·7	21, 22, 28	296·2	294·1	10th	299·7	299·5	−0·1	0	..
545	Baghdad	33 21	44 28	38·1	..	1001·7	+ 1·7	315·9	320·7	2nd	299·8	295·0	13th	307·8	306·7	+0·1	0	..
546	Busrah	30 31	47 53	7·6	999·9	1001·0	+ 1·4	314·8	319·7	3rd	298·7	295·6	12th	306·8	..	+0·1	0	..
546a	Lenkoran	38 46	48 51	−19·3	..	..	..	..	..	..	..	..	..	..	..	..	..	..
547	Teheran	35 41	51 25	1220	..	..	..	309·7	314·0	10th	295·8	292·6	12th	302·7	302·5	+0·3	0	..
548	Meshed	36 16	59 35	946	..	..	..	..	..	..	..	..	..	..	..	..	..	..
549	Seistan	31 0	61 30	?	..	..	..	312·3	316·4	12th	297·9	290·8	13th	305·1	..	..	0	..
550	Quetta	30 11	67 3	1677	827·5	..	+ 1·5	307·8	311·1	12th	288·7	284·3	4th	298·2	298·0	−0·7	1	..
551	Peshawar	34 2	71 37	339	960·4	996·9	− 0·6	316·6	322·2	11th	299·3	295·7	18th	308·0	307·5	+2·2	1	..
551a	Lahore	31 34	74 20	214	973·9	997·2	− 0·2	313·7	318·2	4th	301·7	295·7	15th	307·7	307·2	+2·5	8	..
552	Simla	31 7	77 8	2205	777·3	..	+ 0·7	293·6	296·1	4th	288·2	284·3	15th	290·9	290·7	−0·3	513	..
552a	Leh	34 10	77 42	3503	664·8	..	+ 0·6	298·3	300·3	7th, 14th	282·3	278·4	20th	290·3	289·3	−0·3	2	..
559	Hankow	30 35	114 17	37·0	998·6	1002·8	− 1·3	304·5	308·4	20th	297·5	294·6	18th	301·0	300·5	−0·9	123	..
560	Tientsin	39 10	117 10	5·0	1002·5	1003·1	− 0·9	304·7	309·4	3rd	295·2	292·0	23rd	299·9	299·5	−0·1	103	..
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1002·6	− 2·2	304·8	308·2	27th	296·0	292·3	12th	300·4	299·5	−0·4	175	..
562	Jinsen (Chemulpo)	37 29	126 37	67·6	996·4	1004·3	− 2·1	299·2	308·3	25th	292·5	289·0	15th	295·8	295·3	−0·9	219	..
562a	Nagasaki	32 44	129 52	133	990·2	1005·5	− 2·9	301·6	304·7	19th	295·2	289·8	12th	298·4	297·9	−0·6	319	..
563	Kioto	35 1	135 44	42·9	1003·0	1007·9	− 0·4	304·8	307·4	29th	295·3	293·0	13th, 14th	300·0	299·5	+1·6	199	..
564	Tokio	35 41	139 45	21·3	1006·1	1008·6	− 0·7	303·2	306·9	29th	295·5	292·3	15th	299·4	299·0	+1·9	82	..
565	Kanayama	37 53	140 46	24·6	1005·8	1008·6	− 0·7	301·1	307·3	2nd	293·2	289·0	14th	297·1	296·8	+2·1	72	..
566	Miyako	39 38	141 59	30·4	1004·9	1008·4	− 1·0	299·3	307·2	28th	290·8	287·2	16th	295·1	294·2	+1·5	104	..
		N.	E.															

JULY—ZONE 6.

Between Latitude 30° N. and 20° N.

605	Honolulu	21 19	157 52	11·6	1013·9	1015·2	− 1·3	300·9	301·9	..	296·2	294·1	..	298·6	298·4	+0·3	16	..
614	La Paz	24 10	110 20	12	1008·9	1010·2	..	308·5	311·6	22nd	295·9	293·0	1st	302·2	..	..	11	..
615	Chihuahua	28 38	106 4	1423	861·4	1010·8	..	302·5	307·5	18th	290·6	287·7	25th	296·5	..	..	84	..
616	Leon	21 7	101 41	1809	822·5	1009·0	+ 0·7	300·8	302·9	16th	288·3	286·0	4th	294·5	293·5	+0·2	116	..
616a	Monterry	25 40	100 18	528	954·4	1012·3	..	306·6	311·0	19th	294·8	291·8	6th	300·7	300·6	..	17	..
617	Tulancingo	20 5	98 22	2180	..	..	..	..	295·0	..	..	282·0	..	..	289·0	−0·9	65	..
618	Galveston	29 18	94 50	16·5	1014·3	1016·2	+ 0·5	304·2	306·3	19th	299·1	294·1	2nd	301·7	301·1	−0·2	57	..
618a	New Orleans	29 58	90 4	16·2	..	1016·2	+ 0·2	305·6	309·1	24th	297·2	295·2	20th	301·4	300·4	0·0	52	..
619	Merida, Yuc.	20 58	89 38	22	1012·7	1015·1	..	305·5	307·0	31st	296·4	294·4	7th	300·9	300·3	..	104	..
620	Havana	23 8	82 21	24·3	..	1016·6	+ 0·2	303·9	306·0	9th, 20th	297·4	296·0	1st	300·7	300·4	+0·5	85	..
620a	Key West	24 33	81 48	6·7	1015·6	1016·2	− 0·6	304·7	305·8	30th	298·5	294·7	6th	301·6	301·5	−0·2	44	..
621	Nassau, Bahamas	25 5	77 21	3·7	..	1018·6	+ 0·6	303·4	305·2	31st	297·7	295·2	16th	300·5	300·6	−0·1	215	..
622	Watling Island	24 6	74 26	33·5	1014·3	1018·1	+ 1·0	..	303·0	sev. dates	..	298·6	23, 26, 29	..	301·5	..	..	..
633	Izaña	28 19	16 30	2367	773·6	..	..	292·9	298·3	18th	284·0	276·4	29th	288·4	287·9	..	0	..
634	La Laguna	28 28	16 20	547	955·3	1017·6	+ 1·0	299·2	306·6	21st	288·6	284·5	2nd, 13th	293·9	293·2	+0·5	1	..
637	Insalah	27 1	W 2 21	?280	..	..	..	322·4	324·2	4th	300·8	294·6	16th	311·6	312·7	+1·2	0	..
641	Siwa	29 12	E 25 29	−23	..	..	..	..	..	..	..	..	..	..	..	..	..	..
642																		
643	Aswan	24 2	32 53	99·6	994·7	1005·8	− 0·4	316·3	324·0	4th	300·2	297·4	1st, 10th	308·3	307·6	+1·8	..	..
644	Tor	28 14	33 37	1·9	1005·4	1005·6	+ 0·7	307·1	317·0	5th	297·1	292·9	24th	302·1	300·9	+0·3	..	..
647	Bushire	28 59	50 53	4·3	999·2	999·7	+ 2·4	308·0	310·8	31st	301·7	298·1	22nd	304·8	304·1	−0·3	0	..
648	Jask	25 44	57 47	4·0	999·6	1000·0	+ 1·7	309·1	314·4	17th	301·4	298·6	3rd	305·3	304·6	−0·4	0	..
649	Robat	29 45	60 55	?	901·0	..	..	314·3	318·1	12th	295·7	292·6	17th, 18th	305·0	..	..	0	..
649a	Karachi	24 53	66 57	4·0	1001·3	1001·8	+ 2·7	303·6	305·0	20th	300·0	298·2	31st	301·8	301·1	−0·3	2	..
650	Jacobabad	28 17	68 29	56·7	991·1	997·4	+ 1·1	316·9	321·7	11th	301·4	299·4	16th	309·2	308·6	+0·3	0	..
651	Jaipur	26 56	75 52	436	953·7	1001·0	+ 1·8	310·8	313·3	3rd	299·5	297·6	3rd	305·2	304·4	+2·2	21	..
652	Nagpur	21 8	79 5	310	969·5	1003·8	+ 2·4	305·8	309·4	21st	297·4	295·3	31st	301·6	301·0	+1·1	210	..
653	Allahabad	25 25	81 51	94·1	989·9	1000·3	+ 1·5	311·6	315·8	21st	301·7	297·6	8th	306·6	306·0	+3·6	26	..
653a	Darjiling	27 3	88 18	2266	771·6	..	− 1·0	292·9	297·2	29th	287·7	287·1	23rd	290·3	290·1	+0·6	591	..
654	Calcutta	22 36	88 23	6·4	999·8	1000·5	+ 0·4	306·0	309·1	18th	299·5	292·8	6th	302·7	302·7	+1·3	194	..
655	Gauhati	26 8	91 41	59·7	994·9	1001·5	− 0·5	304·2	307·2	28th, 29th	298·1	295·9	18th	301·2	300·6	−0·8	463	..
655m	Cherrapunji	25 15	91 42	1314	862·3	..	+ 0·1	295·1	300·0	28th	291·0	285·3	12th	293·1	292·6	−0·4	3476	..
655a	Akyab	20 11	92 56	6·1	1002·8	1003·5	− 0·4	302·5	304·2	13th	297·2	295·8	16th, 22nd	299·8	299·9	−0·3	1217	..
656	Mandalay	21 59	96 0	76·2	995·3	1003·8	− 0·4	308·5	310·6	1st	299·5	297·6	26th	304·0	303·4	+0·7	35	..
656a	Tengyueh	24 59	98 35	1633	828·8	..	..	296·3	301·3	26th	289·9	288·6	23rd	293·1	292·5	..	211	..
657	Phu Lien	20 48	106 37	115	987·2	1000·2	− 2·5	304·7	308·8	22nd	298·1	294·5	3rd	301·4	300·9	−0·4	239	..
658	Moncay	21 31	107 51	9	999·3	1000·3	− 2·1	304·8	307·0	21st	297·9	295·3	3rd	301·3	301·1	−0·2	378	..
659	Hong Kong	22 18	114 10	33·2	..	1001·6	− 3·2	303·3	305·9	14th	298·8	296·4	1st	301·1	300·7	−0·1	296	..
660	Amoy	24 27	118 4	ca.3	1002·0	1002·3	− 3·1	303·6	307·4	28th	299·4	296·9	1st, 30th	301·5	301·3	−0·5	284	..
661	Taihoku, Formosa	25 2	121 31	9·3	1002·3	1003·3	− 2·3	306·5	308·7	8th	297·2	295·6	12th	301·9	301·1	+0·1	105	..
661a	Santo Domingo	20 28	121 59	18·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
662	Naha	26 13	127 41	10·5	1002·8	1004·0	− 3·7	304·8	306·8	1st	297·7	295·5	15th	301·2	301·1	+0·1	123	..
665	Titizima (Bonin Islands)	27 5	142 11	4·0	1010·3	1010·7	− 0·5	304·2	306·4	5th	297·8	295·6	6th	301·0	300·5	+0·4	64	..
		N.	E.															

* For formulæ employed *see* pages 109 and 110. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 110.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Colima	19 12	103 45	509	956·3	1010·0	..	304·5	307·2	2nd, 18th	294·0	292·2	9th	299·2	299·4	..	178	..
716	Morelia	19 42	101 7	1923	810·1	1008·7	..	296·6	301·8	29th	286·4	284·0	16th	291·5	290·0	..	151	..
717	Mexico, Tacubaya	19 24	99 12	2309	776·1	1010·8	+ 0·3	296·4	299·0	19th	283·4	281·0	24th	289·9	288·2	−0·5	147	+ 19
718	Oaxaca	17 4	96 42	1563	..	..	..	..	..	..	..	..	..	..	..	..	..	..
718a	Salina Cruz	16 12	95 12	56	1005·3	1009·6	..	304·6	306·7	15th	298·3	295·3	20th	301·4	301·0	..	28	..
719	San Salvador	13 42	89 13	‡665	937·6	1011·8	+ 0·7	307·1	308·6	13th	290·9	289·4	24th	299·0	297·0	+0·4	316	+ 14
720	Belize	17 29	88 12	5·2	1013·1	1013·7	+ 1·0	303·0	304·1	6th, 19th	297·2	294·1	25th, 26th	300·1	299·7	−0·4	94	−159
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1014·0	− 0·4	304·2	305·5	25th	295·6	294·3	22nd	299·9	299·8	+0·1	172	+ 22
722	Port au Prince	18 33	72 23	37·4	1010·8	1015·1	− 0·1	307·1	308·6	5th, 19th	296·5	294·3	23rd	301·8	300·9	0·0	11	− 51
723	Caracas	10 30	66 55	‡1010	901·3	..	− 0·3	297·2	299·0	30th, 31st	288·5	287·2	6th	292·9	292·1	−1·1	140	+ 27
724	Montserrat	16 41	62 9	39·6	1011·0	1015·6	− 0·2	305·0	307·4	23rd	296·8	294·1	2nd, 12th	300·9	300·4	..	88	..
724a	Grenada (Richmond Hill)	12 5	61 46	155	995·4	1013·3	+ 0·2	301·8	303·6	17, 26, 29	296·4	294·1	7th	299·1	298·4	0·0	268	+ 19
725	Barbados	13 8	59 36	55·2	..	1014·6	0·0	302·4	303·4	26th	295·8	293·2	1st	299·1	299·2	−0·3	96	− 46
731	St. Vincent, C. Verde Is.	16 54	25 4	11	1012·5	1013·7	− 0·4	299·8	303·0	23rd, 24th	294·3	293·0	6, 10, 18	297·1	297·9	−0·4	0	− 6
732	San Tiago, C. Verde Is.	14 54	23 31	?40	1010·1	1014·7	+ 0·3	301·3	303·7	9th	296·7	295·6	16th	299·0	298·9	+0·3	0	− 10
733	Bathurst	13 24	16 36	1·5	..	1013·7	+ 0·9	304·4	305·8	28th	..	..	..	..	301·3	−0·5	241	− 43
734	M'Carthy Island	13 42	14 46	1·1	..	..	..	309·1	310·2	17th	292·7	290·8	10th	300·9	..	+0·8	168	− 28
735	Ségou	13 34	6 17	300	..	..	..	..	..	..	..	..	..	..	..	..	..	..
736	Timbuctoo	16 43	W 3 2	270	..	..	..	..	..	..	..	..	..	..	..	..	..	..
737	Sokoto	13 2	E 5 14	353	..	..	..	304·8	309·1	7th	295·3	290·2	21st, 30th	300·1	299·4	−0·3	163	0
738	Kaduna Capital	10 32	7 25	637	945·1	1016·9	+ 1·1	300·6	303·0	10th, 11th	292·2	?289·7	31st	296·4	295·8	+0·3	252	+ 44
739	Hadeija	12 40	10 5	?	..	..	..	306·7	312·4	11th	295·3	292·4	30th	301·0	300·3	..	89	..
740	Maiduguri	11 47	13 11	361	..	..	..	306·8	311·3	6th	295·6	291·9	25th, 31st	301·2	300·6	−0·4	240	+ 77
741	El Fasher	13 32	25 18	730	..	..	..	309·2	315·2	5th	295·2	291·4	7th	302·2	..	..	96	..
743	El Obeid	13 11	30 14	569	945·7	1008·8	− 0·4	309·4	312·6	5th	294·4	290·6	7th	301·9	299·9	−0·2	70	− 22
743a	Khartoum	15 37	32 33	390	964·4	1007·4	+ 0·1	312·8	317·2	4th	298·6	293·1	31st	305·7	305·1	0·0	29	− 11
744	Port Sudan	19 37	37 13	5·9	1003·9	1004·5	+ 0·1	313·6	318·0	3rd	299·2	293·8	13th	306·4	306·1	−0·3	0	− 10
745	Berbera, Somaliland	10 22	45 2	9·2	1003·8	1004·8	− 0·2	316·4	318·6	12, 16, 25	303·9	300·8	5th	310·2	309·1	−0·3	1	− 1
746	Aden	12 45	45 3	28·7	1002·2	1005·3	+ 1·4	307·7	309·0	16th	302·4	299·9	28th	305·1	305·0	+0·9	0	− 1
751	Bombay	18 54	72 49	11·3	1006·1	1007·4	+ 2·7	303·7	304·6	1st	299·6	298·4	22nd	301·6	300·8	+1·4	108	−527
751a	Cochin	10 58	76 21	2·7	1010·5	1010·8	+ 0·7	302·9	303·9	9th, 12th	297·6	295·9	4th	300·3	299·5	+1·2	124	−473
752	Kodaikanal	10 14	77 28	2343	770·0	..	+ 1·3	292·3	295·4	9th	283·9	282·5	5th, 31st	288·1	288·2	+0·9	75	− 52
752a	Bangalore	12 59	77 38	920	908·8	1008·9	+ 1·6	302·9	305·3	27th	291·8	289·6	8th	297·3	296·3	+1·1	19	− 89
753	Madras	13 4	80 14	6·7	1006·2	1007·0	+ 1·0	309·9	312·4	13th	299·8	297·3	2nd	304·9	304·2	+1·3	17	− 86
754	Waltair	17 45	83 16	68·9	996·0	1003·7	+ 1·7	305·4	310·8	13th	298·9	296·5	29th	302·2	301·4	+0·4	76	− 36
755	Port Blair	11 40	92 40	17·7	1006·2	1008·3	+ 0·7	302·7	304·1	23rd	298·5	296·5	2nd, 26th	300·6	299·8	+0·1	201	−199
757	Rangoon	16 46	95 48	5·5	1006·1	1006·9	+ 0·1	303·6	306·4	16th	297·5	295·7	24th	300·6	299·6	+0·6	331	−216
758	Saigon	10 47	106 42	11·2	1006·0	1007·2	0·0	304·9	306·9	21st	297·3	295·0	28th	301·1	300·6	+0·5	145	−130
759	Nhatrang	12 15	109 12	3·6	1003·4	1003·8	− 1·2	307·2	310·3	10th	297·8	296·2	22nd	302·5	301·9	+0·9	5	− 48
761	Bolinao	16 24	119 53	7·1	..	1003·7	− 1·6	303·8	306·4	2nd	297·7	296·2	28th	300·7	299·9	0·0	720	+ 65
761a	Vigan	17 34	120 23	12·2	..	1004·6	− 1·5	302·6	305·6	2nd	297·0	294·5	22nd	299·8	299·8	−0·3	1245	+585
762	Manila	14 35	120 59	14·2	..	1006·3	− 0·9	303·6	306·2	31st	297·3	295·5	4th	300·5	299·9	−0·1	622	+211
765	Ormoc	11 0	124 36	5·6	..	1007·2	0·0	305·3	306·6	23rd	296·7	294·6	4th	301·0	300·9	+1·4	51	−237
	Guam, Ladrone Is.	13 24	144 38	20·4	..	1006·0	− 1·6	..	..	..	..	..	..	..	..	..	681	+303
		N.	E.															

Between Latitude 10° N. and 0°.

805	Fanning Island	3 55	159 23	3·1	..	..	..	304·4	306·3	19, 23, 31	296·8	294·7	20th	300·6	300·1	+0·2	390	+175
821	Colon	9 23	79 23	11·0	..	1009·6	− 0·9	301·9	303·0	25th	297·7	294·1	18th	299·8	299·4	+0·2	263	−144
822	Bogota	4 36	74 6	2645	..	..	..	..	..	..	..	..	..	..	..	..	21	− 19
822a	Merida, Venez.	8 36	71 9	1641	‡841·4	..	..	297·7	300·2	2nd	288·3	287·4	10, 16, 22	293·0	291·9	..	106	..
823	El Peru, Guayanavieja	7 19	61 49	220	986·6	1011·9	− 0·2	..	..	..	..	..	..	..	‡295·9	−0·3	110	− 68
825	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1014·5	+ 0·8	302·9	303·0	sev. dates	296·5	295·2	10, 28, 30	299·7	299·2	+0·1	257	+ 6
826	Paramaribo	5 49	55 9	3·7	..	..	..	303·1	305·7	20th	295·7	293·7	14th	299·4	298·0	−0·6	354	+149
826a	Cayenne	4 56	52 21	6	..	..	..	304·7	305·2	27th, 28th	294·3	293·0	21st, 22nd	299·5	297·7	−0·4	134	− 42
833	Conakry	9 31	13 43	16	..	..	..	..	..	..	..	..	..	..	..	..	..	..
835	Freetown, Sierra Leone	8 30	13 9	68·3	1006·0	1014·0	+ 0·7	300·7	302·4	1, 9, 16	295·3	292·4	23rd	298·0	297·2	−1·1	774	− 99
836	Cape Coast Castle	5 5	1 13	?	..	..	..	..	..	..	..	..	..	..	..	..	20	− 35
837	Accra	5 33	W 0 12	25·7	..	..	..	301·7	..	..	295·1	..	..	298·4	297·9	+0·6	13	− 23
838	Lagos	6 27	E 3 24	1·8	1013·7	1013·9	− 1·3	301·0	303·8	..	296·2	295·2	..	298·6	298·2	+0·4	26	−243
838a	Zungeru	9 48	6 10	130	..	..	..	303·1	305·2	sev. dates	295·3	292·4	3rd	299·2	298·7	+0·2	327	+132
839	Libreville	0 23	9 26	35	..	..	..	..	..	..	..	..	..	..	..	..	..	..
841	Yola	9 12	12 30	259	..	..	..	303·7	309·1	20th	295·1	291·9	5th	299·4	298·9	+0·4	189	+ 28
	Wau	7 42	28 3	440	960·5	1010·1	− 0·2	304·6	307·5	10th, 21st	293·2	291·0	6th	298·9	298·1	+0·1	152	− 33
843	Malakal (Kodok)	9 35	31 37	394	967·1	1011·8	+ 0·5	304·3	308·2	10th	293·9	291·3	27th	299·1	297·6	..	91	− 55
843a	Mongalla	5 11	31 47	439	960·3	1009·6	− 1·0	305·4	309·0	14th, 24th	294·3	293·0	sev. dates	299·9	298·6	+1·2	29	−103
844	Entebbe	0 5	32 29	1171	885·9	..	+ 0·8	297·7	299·8	26th	289·4	286·6	30th	293·6	293·7	0·0	48	− 28
845	Harrar	9 42	42 30	1856	..	..	..	..	..	..	..	..	..	..	..	..	..	..
851	Minucoy	8 17	72 49	2·1	1011·5	1011·7	+ 1·5	..	..	..	..	..	..	..	..	..	26	−195
853	Colombo Observatory	6 54	79 53	7·3	1009·2	1010·0	+ 1·9	303·2	303·9	11th	298·6	297·0	15th, 27th	300·9	300·1	+0·5	79	− 51
853	Nuwara Eliya	6 59	80 47	1886	..	..	..	293·0	296·6	18th	284·3	280·8	10th	288·7	288·0	+0·8	108	−195
854	Trincomalee	8 34	81 14	30·2	1003·7	1007·1	+ 1·5	308·3	311·4	19th	298·4	297·4	25th, 26th	303·4	302·6	+0·8	8	− 47
856	Kota Radja	5 32	95 20	7·1	..	1009·8	− 0·1	..	..	..	..	..	..	..	..	..	11	−100
857	Medan	3 35	98 41	25·0	..	1009·7	0·0	304·6	306·4	7th	294·9	292·8	10th	299·7	298·9	..	145	+ 11
858	Penang	5 34	100 20	5·0	1009·3

JULY—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature Mean Max. A.	Temperature Absolute Max.	Temperature Date.	Temperature Mean Min. B.	Temperature Absolute Min.	Temperature Date.	Temperature Mean of A and B.	Temperature †24 hr. Mean. *	Temperature Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	4 1	155 1	7·9	1010·3	1011·3	+ 0·7	305·4	306·3	19, 20, 29	297·6	295·2	17th	301·5	*300·6*	+0·3	10	− 8
924	Manaos	3 8	60 1	43·8	..	..	..	303·8	306·2	22nd	295·8	294·0	10th	299·8	*299·1*	−1·1	50	+ 1
926	Taperinha	2 30	54 20	20·0	1010·8	1013·0	..	302·3	305·0	8th	294·1	292·6	7th	298·2	*297·1*	..	157	..
927	Turyassu	1 43	45 26	15·1	1011·2	1012·9	− 0·1	305·0	306·4	19th	294·8	292·8	10th	299·9	*298·6*	+0·3	102	+ 5
928	Barra do Corda	5 30	45 16	81·0	1002·9	1012·2	− 0·5	304·7	307·3	12th	290·3	285·6	7th	297·5	*296·3*	−1·0	40	+ 5
929	Quixeramobim	5 16	39 15	207	990·6	1014·1	− 0·3	304·0	305·8	19th	296·0	293·0	8th	300·0	*299·4*	0·0	46	+ 1
930	Fernando Noronha	3 50	W32 25	105	1002·6	1014·8	− 0·3	299·7	300·5	24th	296·3	294·0	6th	298·0	*298·0*	..	41	− 1
939	Loanda	8 49	E 13 13	59·3	..	1015·3	− 0·3	294·3	296·5	11th	291·3	289·2	29th	292·8	292·6	−0·2	1	+ 1
940	Brazzaville	4 17	15 16	320	978·1	1015·0	− 0·1	300·0	305·7	26th	290·3	286·6	2nd	295·2	*294·6*	+0·3	0	− 1
943	Masaka	0 21	31 47	?1280	..	..	..	298·9	299·7	sev. dates	288·7	288·0	11, 24, 30	293·8	*291·5*	−0·6	0	+ 1
944	Nairobi	1 14	36 44	1800	..	..	..	293·0	298·6	27th	283·0	279·1	16th	288·0	*287·3*	−0·2	22	+ 2
944*a*	Zanzibar	6 10	39 11	21·9	1017·5	1020·0	+ 1·0	299·4	300·4	28th	295·4	294·7	25th	297·4	*296·8*	−0·4	123	+ 1
945	Lamu	2 16	40 50	3·1	..	..	..	304·7	305·8	2nd	295·2	294·1	13th	299·9	*299·3*	+0·7	87	− 2
947	Seychelles, Port Office	4 37	55 27	4·6	1013·4	1013·9	+ 0·3	299·9	300·9	..	297·4	296·6	..	298·7	*297·9*	+0·3	36	− 1
957	Padang	0 56	100 22	6·7	..	1010·8	− 0·5	303·1	304·2	21st	296·1	294·9	31st	299·6	299·1	..	186	− 10
958	Batavia	6 11	106 50	8·0	1009·9	1010·8	+ 0·5	303·5	304·5	19th	295·9	294·4	29th	299·7	299·5	+0·6	38	− 13
958*a*	Pontianak	0 1	109 20	2·6	..	1010·2	+ 0·1	305·3	307·7	18th	295·8	293·7	1st	300·5	299·9	..	28	− 15
959	Passeroean	7 38	112 55	5·0	..	1012·2	+ 1·3	302·5	303·9	29th	293·8	291·2	1st	298·1	298·6	−0·1	0	− 14
960	Kajoemas	7 56	114 9	1060	..	..	..	296·8	298·7	8th	289·3	288·0	5th	293·1	292·1	..	3	− 14
962	Ambon	3 42	128 10	4·2	..	1012·1	+ 1·5	300·5	301·7	27th	295·5	293·0	24th	298·0	297·7	+0·2	118	− 47
963	Manokwari	0 52	134 20	19·0	..	1008·8	0·0	304·0	305·4	16th	295·4	293·1	25th	299·7	299·3	..	49	− 11
965	Daru	9 4	143 13	7·6	..	1013·0	+ 1·6	300·2	..	..	..	..	..	..	*298·6*	−0·3	17	− 8
966	Port Moresby	9 29	147 9	39·0	..	1014·2	+ 2·7	299·6	..	..	294·5	..	..	297·0	*296·6*	−1·8	2	− 7
967																		
968	Rendova	8 30	157 12	1·8	1010·1	1010·3	− 0·1	..	..	..	..	..	..	..	..	..	465	+ 14
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1010·7	1010·9	+ 0·8	302·6	305·6	28th	297·4	295·8	7th	300·0	*299·8*	0·0	257	+ 53
970	Ocean Island	0 52 S.	169 35 E.	20·0	1005·0	1007·3	− 0·4	303·4	304·7	22nd	296·8	295·2	25th	300·1	*299·5*	−0·7	482	+ 33

JULY—ZONE 10.

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature Mean Max. A.	Temperature Absolute Max.	Temperature Date.	Temperature Mean Min. B.	Temperature Absolute Min.	Temperature Date.	Temperature Mean of A and B.	Temperature †24 hr. Mean. *	Temperature Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1002	Apia, Samoa	13 48	171 46	2	..	1011·9	0·0	301·9	303·0	8th, 10th	294·9	293·7	30th	298·4	298·1	+0·1	30	− 55
1003	Alofi, Niue Island	19 2	169 55	36·6	..	..	..	300·4	302·4	12th	292·3	288·6	15th, 16th	296·3	*296·1*	..	23	− 36
1007	Makatea	15 47	148 14	47	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1021	Arequipa	16 22	71 33	2451	761·0	..	− 0·7	293·7	298·0	24th	281·6	278·4	13th	287·7	*286·3*	+0·8	0	− 1
1022	Puerto de Arica	18 28	70 20	5	..	..	..	291·6	292·2	sev. dates	283·7	283·0	sev. dates	287·7	*289·9*	+0·9	0	− 1
1023																		
1024	Sucre, Bolivia	19 30	64 24	2848.	728·8	..	..	289·1	295·0	24th	275·1	269·5	8th	282·1	*281·8*	..	0	− 1
1025	Corumba	18 59	57 39	116	1001·6	1015·2	..	299·3	306·8	26th	287·7	278·0	10th	293·5	*292·7*	−2·1	2	− 1
1026	Cuyaba	15 36	56 6	165	995·2	1014·4	+ 0·2	301·2	305·2	sev. dates	292·3	282·9	9th	296·7	*296·4*	−1·0	0	− 1
1027	Bello Horizonte	19 55	43 55	857	921·8	1019·1	− 0·5	295·5	299·0	2nd	282·9	276·4	12th	289·2	*289·2*	−0·5	22	+ 1
1028	Caetite	14 3	42 37	900	917·9	1017·6	− 0·5	298·1	303·2	18th	287·9	285·0	30th	293·0	*293·4*	+0·7	38	+ 4
1029	Ondina (Bahia)	13 0	38 31	46·6	1011·3	1016·8	− 1·1	299·2	302·1	15th	293·7	292·2	24th	296·5	*296·1*	−0·4	342	+ 31
1030	Aracaju	10 55	37 3	4·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1035	St. Helena	15 57	W 5 40	632	948·4	1020·7	+ 0·8	291·6	294·7	2nd	284·8	283·5	26th	288·2	*287·8*	+0·2	98	− 1
1042	Gwelo	19 27	E 29 49	1417	865·1	..	− 1·0	296·3	298·6	23rd, 25th	277·1	271·9	1st	286·7	..	+0·6	1	− 9
1043	Salisbury, Rhodesia	17 49	31 3	1457	860·8	..	− 0·7	293·1	295·2	sev. dates	278·8	272·9	4th	285·9	..	−1·5	0	+ 1
1044	Zomba	15 23	35 18	‡945	912·6	1019·2	− 0·2	296·4	299·7	26th	284·1	281·3	5th	290·3	*289·9*	+0·7	13	− 1
1045	Tananarive	18 55	47 32	1400	869·8	..	+ 1·3	292·6	294·9	3rd	281·9	279·5	10th	287·3	*286·1*	−0·2	5	− 1
1046	Sainte-Marie	17 0	49 51	15	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1055	Cocos Keeling Is.	12 5	96 53	4·6	1013·8	1014·3	+ 1·9	301·2	302·2	10th	297·2	294·8	30th	299·2	..	+0·3	31	− 29
1056																		
1057	Christmas Island	10 25	105 43	5·5	1010·1	1010·7	+ 1·1	303·8	305·2	..	295·8	293·6	..	299·8	*299·2*	+0·3	36	− 20
1058																		
1061	Koepang	10 10	123 34	45·1	..	1013·0	+ 1·1	303·4	305·6	19th	294·1	292·1	1st	298·7	298·2	..	0	− 47
1061*a*	Derby	17 18	123 40	16·2	1015·1	1017·0	+ 1·8	300·9	304·8	6th	287·6	281·9	11th	294·2	..	−0·9	21	− 11
1062	Hall's Creek	18 13	127 46	374	976·0	1018·9	+ 2·3	297·7	301·7	25th	280·3	273·0	17th	289·0	*288·3*	−2·1	1	− 9
1063	Darwin	12 28	130 51	29·6	1010·7	1014·1	+ 1·6	303·1	304·9	31st	292·4	290·2	13th, 16th	297·8	*296·6*	−0·5	0	− 5
1064	Daly Waters	16 16	133 23	211	991·3	1015·5	+ 0·7	300·6	304·1	25th	284·1	279·4	2nd	292·3	*291·6*	−1·2	0	− 5
1065	Mein	13 13	142 47	122	1000·2	1014·1	+ 2·0	300·9	303·0	26th	288·2	282·4	11th	294·6	..	−1·8	7	− 8
1066	Georgetown, Queensland	18 22	143 32	302	983·0	1017·7	+ 2·0	299·5	301·9	22nd	282·0	274·1	10th	290·8	..	−2·3	0	− 8
1067	Samarai	10 37	150 40	15·2	..	1010·1	− 1·5	300·2	..	..	295·3	..	..	297·7	*297·5*	−0·6	155	− 15
1072	Suva, Fiji	18 8 S.	178 26 E.	16·8	..	1014·5	− 1·1	298·2	302·3	12th	292·4	289·1	26th	295·3	*295·1*	−0·8	114	− 7
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 112 and 113. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 112 and 113.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

JULY—ZONE 11.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature Mean Max. A.	Temperature Absolute Max.	Temperature Date.	Temperature Mean Min. B.	Temperature Absolute Min.	Temperature Date.	Temperature Mean of A and B.	Temperature †24 hr. Mean. *	Temperature Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	6	..	..	..	..	..	..	..	..	..	..	..	..	86	+ 8
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1014·0	1017·3	− 0·1	288·5	291·2	27th	282·7	280·0	1st, 6th	285·6	*285·3*	+0·5	13	− 21
1122	Iquique	20 12	70 11	9	..	..	..	..	..	..	..	..	..	..	..	..	0	− 1
1123	Catamarca	28 27	65 47	510	..	1014·2	− 1·4	295·4	306·6	29th	276·3	268·9	6th	285·9	285·8	+0·4	0	− 2
1124	Salta	24 46	65 28	1178	882·5	1014·4	− 0·2	294·8	304·2	29th	..	..	..	..	285·1	+0·5	0	− 1
1125	Goya	29 9	59 15	26	..	1017·4	+ 0·6	294·6	307·9	25th	281·8	273·0	7th	288·2	287·8	+0·5	11	− 35
1126	Asuncion	25 21	57 37	95	‡1007·6	‡1019·0	+ 1·0	295·7	305·3	26th	283·6	272·7	11th	289·7	289·1	−2·8	87	+ 30
1127	Curityba	25 25	49 17	908	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1128	Rio de Janeiro	22 54	W43 10	61·4	1012·2	1019·4	− 0·4	295·3	302·2	2nd	289·3	284·6	11th, 12th	292·3	292·0	−1·2	88	+ 43
1139	Windhoek	22 35	E 17 5	1680	..	..	..	292·7	295·6	12th, 16th	280·2	273·6	31st	286·4	*286·2*	+0·3	0	− 1
1140																		
1141	Kimberley	28 42	24 47	1202	887·0	..	− 1·4	290·7	298·0	17th	276·4	267·9	25th	283·6	282·9	+0·3	58	+ 49
1142	Johannesburg	26 11	28 4	1806	827·5	..	− 0·5	288·3	293·1	18th	278·1	269·2	28th	283·2	*282·7*	−0·1	8	+ 2
1142*a*	Pretoria (Brooklyn)	25 46	28 13	1400	867·0	..	− 0·7	291·9	296·6	23rd	278·0	273·1	26th	284·9	*284·4*	+1·3	5	..
1143	Durban	29 52	31 3	15·2	1022·9	1024·7	+ 0·3	294·3	300·1	9th	285·8	281·9	30th	290·1	*289·6*	+0·2	21	− 3
1144	Lorenzo Marques	25 58	32 36	59	..	1022·6	+ 0·1	297·3	304·1	21st, 24th	286·2	282·9	29th	291·8	291·3	+0·2	14	+ 1
1147	Mauritius	20 6	57 33	55·2	1015·1	1021·7	+ 1·3	295·9	297·3	3, 11, 29	288·8	285·1	31st	292·3	292·0	−0·9	99	+ 36
1158	Onslow	21 43	114 57	4·3	1016·7	1017·6	+ 1·2	298·0	301·9	7th	282·8	279·6	25th	290·4	..	−0·5	2	− 22
1160	Peak Hill	25 38	118 47	588	951·6	1019·4	+ 1·4	291·6	296·9	7th	280·3	276·9	17th	285·9	..	−0·2	4	− 14
1161																		
1162	Nullagine	21 53	120 5	386	975·0	1019·8	+ 2·1	295·2	300·8	2nd	279·8	271·6	18th	287·5	..	−1·1	9	− 5
1163	Laverton	28 40	122 23	466	969·2	1024·5	+ 4·2	290·0	298·6	7th	278·7	275·2	12th, 16th	284·3	*284·2*	−0·1	15	− 2
1164	Alice Springs	23 38	133 37	587	954·1	1022·3	+ 2·5	290·6	298·6	3rd, 4th	275·3	269·7	17, 18, 21	282·9	*282·6*	−1·6	6	− 5
1164*a*	William Creek	28 55	136 21	76·2	1015·0	1024·3	+ 3·7	290·9	299·4	3rd	277·2	271·9	16th	284·1	*283·8*	−0·2	2	− 5
1165	Boulia	22 55	139 38	146	1002·9	1020·2	+ 2·7	294·7	299·7	4th	278·1	273·4	16th	286·4	*286·1*	−1·0	0	− 8
1166	Thargomindah	27 58	143 43	123	1007·2	1022·0	..	290·7	296·9	5th	277·7	272·4	15th	284·2	*283·9*	..	22	+ 12
1167	Mitchell	26 32	147 52	336	982·2	1021·5	..	292·1	297·5	24th	271·7	266·3	16th	281·9	..	−1·9	4	− 31
1168	Rockhampton	23 24	150 30	11·3	1018·5	1019·9	+ 1·5	296·2	299·8	24th	281·1	274·4	16th	288·7	..	−0·8	1	− 34
1169	Brisbane	27 28	153 2	38·1	1016·2	1020·6	+ 2·2	293·6	296·6	7th	280·1	275·7	2nd	286·8	*285·8*	−0·9	4	− 55
1170	Quitchambo	21 52	166 3	38	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Norfolk Island	28 58 S.	168 3 E.	15·2	1014·6	1016·4	− 0·6	290·8	293·0	14th	285·9	281·1	6th	288·3	..	−0·9	72	− 89

Between Latitude 30° S. and 40° S.

JULY—ZONE 12.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature Mean Max. A.	Temperature Absolute Max.	Temperature Date.	Temperature Mean Min. B.	Temperature Absolute Min.	Temperature Date.	Temperature Mean of A and B.	Temperature †24 hr. Mean. *	Temperature Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1221	Juan Fernandez	33 37	78 50	10	..	..	..	288·0	291·0	24th	284·1	280·5	31st	286·1	*286·7*	+1·1	72	− 81
‡1221*a*	Punta Tumbes	36 37	73 6	91	‡1005·5	‡1016·6	− 0·8	286·8	293·0	28th	280·5	276·0	6th	283·7	*283·2*	+0·3	45	− 39
1222	Punta Angeles, Valparaiso	33 1	71 38	41	1012·3	1017·3	− 0·7	288·3	297·0	25th	281·0	276·8	6th	284·7	*284·2*	−0·8	41	− 66
1223	Santiago	33 27	70 42	520	956·6	1018·6	+ 0·2	287·8	298·8	25th	275·5	269·4	6th	281·7	*280·5*	−0·3	24	− 63
1224	Cordoba	31 25	64 12	423	965·0	1015·2	− 1·8	294·2	305·8	..	275·5	262·7	..	284·9	283·9	+0·7	0	− 8
1225	Bahia Blanca	38 45	62 15	25	..	1014·4	− 1·0	285·6	295·0	28th	276·6	269·0	6th, 8th	281·1	280·7	−0·5	24	− 3
1226	Buenos Ayres (Chacarita)	34 36	58 22	25	..	1016·0	− 2·6	287·9	301·9	30th	277·3	267·6	9th	282·6	282·4	−0·7	0	− 56
‡1226*a*	Montevideo (Prado)	34 52	56 12	24·9	1013·0	1016·0	− 2·2	287·6	301·5	30th	277·7	272·2	10th	282·7	282·6	−0·6	11	− 53
1227	Porto Alegre	30 2	W51 13	23·5	1016·5	1019·3	− 0·5	290·8	303·2	30th	279·1	269·0	11th	284·9	284·4	−2·2	78	− 17
1239	Cape Town	33 56	E 18 29	12·2	..	1022·7	+ 1·7	289·3	298·0	14th	282·4	276·7	25th	285·9	*284·6*	+0·3	93	− 3
1240	Danger Point	34 37	19 18	27·7	1017·5	1020·8	..	288·3	293·6	14th	283·0	278·0	23rd	285·7	..	..	176	..
1241	Riversdale	34 6	21 16	?61	1010·8	..	..	289·5	294·7	15th	278·1	273·6	28th	283·8	..	..	106	..
1242	East London	33 1	27 54	9·8	1020·9	1022·1	+ 1·1	293·1	301·9	21st	282·5	279·1	26th	287·8	..	−0·3	41	+ 16
1259	Perth (Observatory)	31 57	115 51	60·0	1016·0	1023·4	+ 4·5	290·6	293·9	7th	281·1	277·5	15th	285·9	*286·0*	0·0	86	− 80
‡1260	Katanning	33 42	117 35	310	986·8	1024·2	+ 6·2	288·9	292·6	30th	276·9	273·8	6th, 30th	282·9	..	+0·1	22	− 56
1261	Coolgardie	30 57	121 10	423	974·5	1024·7	+ 5·1	289·1	297·9	7th	278·3	274·9	16th	283·7	*283·6*	0·0	16	− 7
1262	Eucla	31 45	128 58	4·6	1023·9	1024·6	+ 5·1	290·1	296·3	7th	280·4	273·6	5th	285·2	*285·0*	−0·2	29	+ 6
1263	Streaky Bay	32 48	134 13	13·1	1023·6	1025·1	+ 5·2	289·5	291·9	2nd, 8th	280·2	275·2	20th	284·8	*284·7*	+0·2	36	− 24
1264	Adelaide	34 56	138 35	42·7	1019·5	1024·7	+ 4·4	287·7	289·9	3rd	278·9	275·4	21st	283·3	*283·2*	−0·6	67	0
1265	Melbourne	37 49	144 58	35·1	1017·9	1022·1	+ 3·0	285·6	289·6	5th	278·7	272·4	21st	282·2	*282·0*	0·0	44	− 2
1266	Bourke	30 13	145 58	110	1009·9	1023·2	+ 2·6	293·2	296·9	3, 5, 6	274·9	269·7	11th	284·1	..	0·0	10	− 13
1267	Sydney	33 52	151 13	44·5	1015·5	1020·7	+ 2·3	289·4	294·4	5th	279·9	276·0	11th	284·7	*283·7*	+0·3	210	+ 84
‡1268	Lord Howe Island	31 20	159 0	4·6	1017·4	1017·9	+ 1·1	291·0	293·5	13th	284·9	279·4	4th	287·9	..	−1·0	114	− 88
1271	Auckland	36 50	174 50	38·1	..	1008·1	..	286·1	289·7	15th	279·2	274·7	26th	282·7	..	−1·3	151	+ 21
1272	Napier	39 32 S.	176 53 E.	21·3	..	1004·8	− 7·0	285·4	291·6	14th	276·9	272·2	31st	281·2	..	−1·2	84	− 17

Between Latitude 40° S. and 50° S.

JULY—ZONE 13.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature Mean Max. A.	Temperature Absolute Max.	Temperature Date.	Temperature Mean Min. B.	Temperature Absolute Min.	Temperature Date.	Temperature Mean of A and B.	Temperature †24 hr. Mean. *	Temperature Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1301	Chatham Island	43 52	176 42	104	..	..	..	..	..	..	..	..	..	..	..	..	148	+ 41
1321	Isla Huafo	43 34	74 45	140	995·1	1012·2	− 2·4	..	..	..	278·2	276·1	31st	..	*279·8*	..	108	− 11
1322	Punta Galera	40 1	73 44	40	1010·4	1015·3	+ 0·1	283·4	285·5	24th	280·0	277·0	4th, 7th	281·7	*282·0*	−0·2	203	− 66
1323	Sarmiento	45 30	69 0	274	..	1011·4	..	279·1	289·1	11th	271·0	256·8	7th	275·1	274·9	−1·1	34	+ 8
1324	Puerto Madryn	42 49	W64 58	14	..	1012·6	..	284·5	293·2	22nd	273·6	261·6	8th	279·1	279·2	−0·6	18	+ 5
1365	Launceston	41 27	E147 10	10·1	1016·6	1017·8	+ 3·3	285·7	289·2	4th	275·6	271·3	16th	280·7	*280·3*	+0·7	79	+ 2
‡1366	Hobart	42 53	147 20	53·9	1010·0	1016·8	+ 3·2	284·4	287·9	6th	277·3	272·9	22nd	280·8	*280·4*	+0·4	81	+ 27
1370	Invercargill	46 25	168 21	5·5	..	..	..	279·9	284·1	14th	273·1	268·0	4th	276·5	..	−1·6	123	+ 36
‡1371*a*	Dunedin	45 52	170 31	91·4	..	1006·4	− 4·7	280·6	285·2	14th	274·7	271·9	3, 4, 27	277·6	..	−0·7	78	0
1372	Christchurch	43 31	172 38	7·6	..	1005·6	− 7·1	281·3	289·6	15th	273·2	270·3	17th	277·2	..	−1·7	174	+ 105
	Wellington	41 16 S.	174 46 E.	2·4	..	1005·8	− 6·4	283·9	288·0	8th	277·1	271·9	27th	280·5	..	−1·2	127	− 19
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 113 and 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 113 and 114.

JULY—ZONE 14.

Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A. and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas .	52 24	75 6	55	999·9	1006·8	+ 4·8	277·9	281·6	13th	274·3	269·5	29th	276·1	*275·7*	−1·2	163	— 9
1422	Puerto de Punta Arenas .	53 10	70 54	4	1005·0	1005·5	+ 3·3	276·0	279·7	12th	270·1	263·7	29th	273·1	*273·4*	−0·7	33	— 9
1423	Punta Dungeness . .	52 24	68 26	5	1004·8	1005·4	+ 3·2	277·8	280·2	13th	272·6	268·2	6th, 7th	275·2	*274·8*	−0·7	19	— 8
1424	Santa Cruz . . .	50 11	68 21	12	..	1007·9	+ 0·2	276·6	284·5	12th	269·9	262·8	8th	273·3	273·4	−1·5	4	— 7
1424*a*	Año Nuevo . . .	54 39	64 9	50	995·0	1001·2	+ 2·1	275·7	278·9	12th	272·7	266·9	28th	274·2	274·3	−0·5	26	— 7
1425	Stanley, Falkland Is. .	51 41	57 51	4	..	..	..	..	..	..	..	..	..	..	..	..	75	+ 4
1426	Cape Pembroke . .	51 41	57 42	21	..	1003·5	+ 1·1	276·9	279·1	1st, 18th	272·6	269·7	5th	274·7	275·1	−0·5	..	..
1429	S. Georgia (Cumberland Bay)	54 14 S.	36 33 W.	4	999·3	999·8	+ 1·8	274·1	282·4	15th	268·5	263·5	18th	271·3	*271·6*	+0·6	272	+152

JULY—ZONE 15.

Between Latitude 60° S. and 70° S.

1527	South Orkneys . .	60 44 S.	44 39 W.	7	990·2	991·1	− 3·5	269·8	276·5	15th	260·9	246·2	24th	265·3	265·4	+3·0	33	+ 4
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 115.

† Estimates not based on at least six equally-spaced observations each day are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—JULY 1918.

Date.	St. Helena. 1035. Direction.	St. Helena. 1035. ††Mean Velocity for the Day.	Fanning Island. 805. Direction.	Sierra Leone. 834. Direction and Force (Beaufort).	Entebbe. 844. Direction and Force (Beaufort).	Malden Island. 905. Direction and Force (Beaufort).	Tulagi. 969. Direction and Force (Beaufort).	Ocean Island. 970. Direction and Force (Beaufort).	Suva, Fiji. 1072. Direction and Force (Beaufort).
	9h.	m/s	17h.	9h. 17h.	7h. 21h.	9h.	9h.	9h. 21h.	9h.
1	SE	5·0	.. SE	E 1 SE 2	SW 2 Calm 0	SE 2	SE 6	ESE 1 SSW 3	SE 1
2	SE	5·3	.. Calm	Calm 0 SW 2	W 1 W 2	SE 4	SE 4	NE 3 SW 2	SE 0
3	SSE	6·2	.. Calm	Calm 0 E 1	W 1 SW 1	SE 4	SE 6	NE 2 ESE 1	Calm 0
4	SSE	—	.. Calm	Calm 0 SE 3	W 1 S 1	E 2	SE 6	ENE 1 ESE 2	Calm 0
5	SSE	—	.. SE	Calm 0 Calm 0	S 1 SW 1	ESE 3	SE 6	ESE 3 SSW 4	SE 4
6	SSE	—	.. SE	Calm 0 SW 1	S 1 SW 1	ESE 4	SE 8	ESE 4 SSW 4	SE 1
7	SE	—	.. SE	SW 2 W 1	SW 1 S 2	ESE 4	SE 2	SW 2 SSW 3	SW 0
8	SE	8·8	.. SE	Calm 0 W 2	S 1 S 3	ESE 3	SE 6	SSE 3 SW 3	Calm 1
9	SE	7·6	.. SE	Calm 0 SE 1	SE 1 S 2	ESE 4	SE 6	SSE 3 SW 3	S 1
10	SE	7·0	.. SE	E 1 E 2	Calm 0 Calm 0	SE 4	SE 6	SE 5 S 6	NW 0
11	SE	6·5	.. SE	W 1 SW 2	SW 1 S 1	SE 5	SE 4	SE 4 S 3	Calm 0
12	SE	4·3	.. Calm	Calm 0 W 2	SW 1 S 1	ESE 3	SE 2	SE 3 SE 3	Calm 0
13	SE	2·2	.. Calm	W 1 W 1	SW 1 S 1	SW 1	Calm 0	E 1 E 6	Calm 0
14	SE	2·8	.. SE	W 2 W 1	SW 1 SW 1	E 2	Calm 0	E 1 E 6	S 3
15	SE	4·2	.. SE	Calm 0 Calm 0	SW 1 SW 2	ESE 2	SE 2	SE 2 ESE 1	Calm 0
16	SE	6·7	.. SE	SW 3 SW 1	S 2 S 1	SE 3	Calm 0	E 1 E 6	Calm 0
17	SE	7·5	.. SE	Calm 0 E 2	SW 2 N 1	ESE 3	SE 2	W 2 W 4	Calm 0
18	ESE	5·4	.. SE	W 1 W 2	W 1 W 1	SE 3	SE 6	WSW 4 SSW 2	Calm 0
19	SE	5·1	.. SE	E 1 E 1	W 1 W 1	SE 2	SE 8	ESE 3 SE 4	Calm 4
20	SE	7·3	.. SE	Calm 0 SW 1	Calm 0 SW 2	E by S 2	SE 10	NE 4 ESE 4	NW 0
21	SE	8·2	.. Calm	SW 2 Calm 0	Calm 0 S 1	E by N 2	SE 10	ESE 3 ESE 2	Calm 1
22	SE	10·4	.. Calm	SW 1 Calm 0	W 1 SE 2	ESE 3	Calm 0	E 4 E 3	SE 0
23	SE	12·0	.. Calm	W 2 Calm 0	E 1 W 2	SE 4	SE 4	ENE 4 E 2	Calm 0
24	SE	10·3	.. SE	SW 2 Calm 0	N 1 W 1	ESE 4	SE 4	E 1 E 2	Calm 0
25	ESE	8·3	.. SE	Calm 0 Calm 0	Calm 0 SW 1	E 3	SE 2	E 3 E 1	S 3
26	SE	7·8	.. SE	S 1 S 2	SW 1 W 1	SE 3	Calm 0	SSW 4 S 2	S 0
27	SE	—	.. SE	Calm 0 W 2	N 2 N 2	E by S 3	SE 2	E 2 NE 2	Calm 0
28	ESE	7·0	.. SE	SW 1 W 2	SW 2 W 1	ESE 3	Calm 0	E 2 E 1	Calm 5
29	SE	5·0	.. SE	Calm 0 E 1	N 2 W 1	ESE 4	Calm 0	ESE 2 SE 2	N 4
30	E	3·4	.. SE	E 2 Calm 0	N 1 S 1	SE 3	SE 2	Calm 0 Calm 0	NW 0
31	E	—	.. SE	E 1 E 2	NW 1 N 3	ESE 4	SE 6	S 1 SW 1	Calm 0
Mean	..	6·6	..	0·8 1·2	1·0 1·3	3·1	3·9	2·5 2·7	1·7
§Resultant	135° (94)	..	135° (73)	215° (24)	230° (48)	120° (92)	135° (77)	125° (54)	105° (10)
§Normal	130° (86)	6·9	‖118° (75)	261° (37)	240° (26)	92° (88)	132° (88)	100° (58)	98° (51)

†† Mean velocity of the South-East Trade Wind at 632 metres.
§ Direction and "constancy." For explanation see Introduction.
‖ Normal refers to ½ (9+21).

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—JULY 1918.

‡‡ *Barents Sea.*—South of Hope Island the position of the ice was normal but the ice was very scattered. The area covered was 714 × 10^3 sq. km. compared with a normal of 519 × 10^3 sq. km.

‡‡ *Spitsbergen.*—Along the east coast there was scattered ice and between Cape Leigh Smith and Gilles Land open water. East of Abel Island, however, the ice was unbroken. From North Cape to Danes Island there was open water and all the fjords on the west coast were completely free of ice.

‡‡ *Iceland* was free of ice, the normal duration being eight days.

‡‡ *Greenland Sea and Denmark Strait.*—In 75° N. the edge of the ice was still very far east owing to the continuous S. wind and swell. The edge was close packed but towards the end of the month the ice became somewhat more scattered. The ice edge was 60 miles west of Jan Mayen. At Angmagsalik ice conditions changed rapidly. Sea swell was felt during the last days of month. The area covered was 1020 × 10^3 sq. km. compared with a normal of 718 × 10^3 sq. km.

‡‡ *Davis Strait.*—The ice reached from 120 miles east and 100 miles south of Cape Farewell to Nanortalik and extended thence to Frederikshaab in a belt lying offshore. From Frederikshaab to Disko Bay the coast was free of ice and a land water reached to Upernivik. West ice occurred 30 miles off the Western Islands and thick ice 7 miles off Karrato Fjord. Many more icebergs than usual were observed.

‡‡ *Baffin Bay and Smith Sound.*—After the first days of the month there was firm ice along the coast except round Cape Parry and the Cary Islands.

‡‡ *Bering Sea.*—In the eastern part an edge of ice was met with at Cape Lisbourne.

‡‡ *Isforholdene i de Arktiske Have*, 1918, 1919, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, AUGUST 1918

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF AUGUST 1918 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N.

AUGUST—ZONE 1.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A. and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
105	Barrow	71 23	156 17	6·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
123	Inglefield Bay . . .	77 20	67 30	?	1009·0	..	+ 0·2	..	281·6	8th	..	270·3	30th	..	*276·0*	..	13	..
124																		
125	Upernivik . . .	72 47	W56 7	18·9	1007·4	1009·7	− 1·8	..	‡284·2	10th	274·5	272·0	21,25, 29	..	*277·4*	−0·6	11	— 18
139	Spitsbergen(GreenHarbour)	78 2	E 14 14	11·4	1014·0	1015·4	+ 2·9	..	283·5	7th	275·1	271·9	30th	..	277·3	+0·3	6	— 15
140																		
141	Gjesvaer																	
142	Mehavn	71 6	25 22	6·5	1012·6	1013·4	+ 2·3	..	296·3	22nd	279·1	275·3	18th	..	*281·7*	−1·4	43	— 1
143	Vardö	71 1	27 47	6·4	1012·0	1012·8	+ 1·8	..	289·7	22nd	278·2	275·3	17th	..	*281·1*	−1·4	28	— 24
147		70 22	31 8	10·0	1011·5	1012·7	+ 0·9	..	285·4	3rd	278·4	275·5	27th	..	*280·5*	−1·4	42	— 12
148	Malye Karmakouly .																	
	Waigatz	72 23	52 43	14·8	1008·7	1010·5	− 1·8	..	..	..	..	..	..	..	..	..	..	..
157		70 24	58 47	11·2	?1001·4	?1002·8	− 7·8	..	‡280·3	23rd	?272·8	?270·6	12th	..	*?274·3*	−4·6	..	..
	Maudhavn	77 33 N.	105 40 E.	2·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..

Between Latitude 70° N. and 60° N.

AUGUST—ZONE 2.

202	Gambel	63 51	171 35	6·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
203	Nome	64 30	165 24	6·7	..	1008·4	− 0·6	286·9	291·3	8th	279·3	270·2	25th	283·1	*282·9*	+0·6	30	— 38
204	Candle	65 55	161 57	2·4	..	..	..	287·1	?295·2	5th	276·9	269·7	26th	282·0	..	..	22	..
205	Tanana	65 10	152 6	67·1	..	1009·5	+ 0·4	290·6	296·3	4th	277·9	269·1	26th	284·2	*284·3*	−1·1	49	— 5
206	Rampart	65 30	150 15	122	..	..	..	294·9	301·3	5th, 7th	278·4	270·2	26th	286·7	..	..	36	— 4
207	Valdez	61 7	146 16	8·2	..	1012·2	− 1·5	286·6	291·3	10th	278·5	275·2	26th	282·5	*282·7*	−1·2	152	+ 5
208	Eagle	64 46	141 12	254	..	1007·8	− 1·9	291·5	297·4	4th, 5th	277·8	270·8	20th	284·7	..	+0·6	34	— 20
209																		
210	Dawson	64 4	139 20	328	969·3	1008·1	− 5·1	291·3	299·1	4th	278·0	271·3	26th, 27th	284·7	..	−0·6	46	+ 6
211	Carcross	60 11	134 34	662	..	..	..	289·6	295·2	15th	276·8	272·4	2nd, 9th	283·2	..	−0·5	19	— 3
212	Fort Good Hope . .	66 25	128 53	65·2	1002·2	1010·1	..	291·3	299·7	5th	278·6	269·1	20th	284·9	..	..	14	+ 3
213	Fort Simpson . .	61 52	121 35	129	991·4	1006·8	..	292·4	299·7	7th, 16th	280·8	273·0	27th	286·6	..	+0·4	78	+ 49
	Hay River	60 51	115 20	161	987·8	1007·0	..	291·3	300·8	16th	281·3	275·2	21st	286·3	..	−0·6	56	..
225																		
226	Jacobehavn . . .	69 13	51 2	12·6	1007·4	1008·9	− 2·5	..	‡291·3	1st	276·7	272·7	29th	..	*279·8*	+0·2	24	— 10
227	Godthaab	64 11	51 43	9·0	1006·2	1007·3	− 2·3	284·0	288·4	2nd	275·4	271·9	28th	279·7	*278·8*	−0·5	..	..
229	Ivigtut	61 12	48 10	5·0	1008·3	1008·9	− 0·6	284·6	290·1	6th	276·9	273·1	26th	280·7	*280·7*	−0·9	106	+ 13
	Angmagsalik . . .	65 37	37 33	31·7	1007·1	1011·0	− 1·4	283·3	287·7	30th	275·8	272·1	14th	279·5	*278·8*	−0·4	79	+ 16
231																		
232	Stykkisholm . . .	65 5	22 46	11·3	1007·2	1008·6	− 0·6	285·5	290·9	1st	280·1	276·7	16th	282·8	*282·3*	+0·1	33	— 9
233	Vestmanno . . .	63 26	20 15	7·7	1007·4	1008·3	− 0·3	286·6	289·3	11th	280·8	276·2	16th	283·7	*283·0*	−0·2	96	+ 21
233*a*	Grimsey	66 33	17 58	22	..	..	..	283·6	291·3	1st	277·5	275·3	9th	280·5	*280·1*	+0·3	11	— 23
234	Akureyri	65 40	18 4	6·8	1009·1	1009·9	+ 0·1	..	..	..	..	..	..	..	..	..	..	..
235	Berufjord	64 40	14 19	18·0	1007·0	1009·2	− 0·4	284·7	291·2	1st	277·7	272·2	23rd	281·2	*281·0*	−0·4	38	— 43
236	Thorshavn	62 3	6 45	26·3	1006·3	1009·5	− 0·5	285·8	289·7	12th	281·7	277·6	23rd, 31st	283·7	*283·3*	+0·1	83	— 12
	Lerwick	60 9	W 1 8	147	993·3	1010·7	+ 1·0	285·9	289·1	9th	281·9	278·0	31st	283·9	*284·1*	..	88	..
237																		
238	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1005·1	1010·4	− 0·3	289·9	295·2	3rd	284·3	279·9	26th	287·1	*286·6*	−0·2	276	+117
239	Christiansund . .	63 7	7 45	17·8	1007·4	1009·5	− 1·1	..	292·9	2nd	283·3	279·9	27th	..	*285·8*	−0·2	136	+ 33
240	Trondhjem . . .	63 26	10 25	39·5	1004·8	1009·5	− 1·1	290·9	299·0	9th	283·3	276·4	27th	287·1	*286·7*	+0·4	82	+ 6
241	Bodö	67 17	14 24	22·4	1007·0	1009·7	− 0·7	..	292·2	3rd	282·6	279·6	20th	..	*285·6*	+0·3	45	— 38
242	Haparanda	65 50	24 9	9·2	1009·2	1010·3	− 0·5	288·7	294·0	5th	279·5	274·0	27th	284·1	*284·2*	−1·4	41	— 13
242*a*	Helsingfors . . .	60 10	24 57	11·7	1008·0	1009·4	− 2·1	290·4	295·7	10th	283·8	278·8	28th	287·1	*286·8*	−1·6	55	— 18
	Kuopio	62 54	27 40	90·3	998·2	1009·1	− 2·4	288·0	293·6	5th	281·2	276·5	28th	284·6	*284·6*	−2·1	106	+ 36
243																		
244	Kola	68 53	33 1	6·7	1011·6	1012·4	+ 1·8	284·3	293·2	3rd, 4th	277·0	271·4	11th	280·6	*280·7*	−3·1	21	— 23
245	Petrozavodsk . .	61 47	34 23	38·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
246	Arkhangelsk . .	64 33	40 30	6·2	1008·6	1009·3	− 1·7	286·2	293·0	5th	277·2	273·7	19th	281·7	*281·5*	−5·0	22	— 40
247	Mezen	65 50	44 16	12·6	1007·0	1008·5	− 1·7	283·2	296·4	19th	274·7	270·8	18th	279·0	*279·0*	−5·0	34	— 18
248	Ust-Tsylma . . .	65 25	52 14	? 70	998·0	1006·6	− 4·4	283·7	293·0	1st	276·8	273·1	15th	280·2	*279·8*	−4·9	102	..
	Tcherdyn	60 24	56 31	?177	984·2	1005·3	− 5·3	289·6	301·2	1st	281·3	275·0	13th	285·4	*284·9*	−2·4	84	+ 17
249																		
250	Berezov	63 56	65 4	39·9	1001·4	1006·2	− 5·0	287·2	297·3	2nd	278·2	271·1	19th	282·7	*283·2*	−2·7	190	+132
251	Obdorsk	66 31	66 35	23·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
252	Sourgout	61 15	73 24	? 40	1000·8	1005·6	− 4·6	..	299·8	9th	282·1	272·7	20th	..	*286·8*	−0·1	93	+ 12
253																		
254	Doudinka	69 23	86 4	20	1003·0	1005·4	− 4·6	..	295·5	27th	279·2	272·5	9th	..	*282·9*	..	45	..
	Touroulkhansk . .	65 47	87 57	45	1004·6	1010·0	+ 0·1	..	299·3	11th	280·6	269·6	20th	..	*286·1*	+0·7	48	— 10
262																		
263	Iakoutsk	62 1	129 43	108	995·8	1008·7	− 0·3	..	298·7	16th	281·3	275·4	19th	..	*287·3*	−0·8	69	+ 23
	Verkholansk . . .	67 33	133 23	100	994·3	1006·3	− 1·3	..	298·4	15th	278·5	271·7	31st	..	*284·6*	+1·4	25	0
271																		
272	Markovo-sur-Anadyr .	64 45	170 50	25·9	1004·7	1007·8	− 1·4	..	..	..	278·0	271·2	30th	..	‡*286·0*	+3·0	30	— 19
	Novo-Mariinskii Post	64 45 N.	177 33 E.	23·5	1006·3	1009·1	− 0·6	286·6	295·4	22nd	280·7	274·7	30th	283·6	‡*283·7*	+1·1	22	— 19
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 105 and 106. †Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 105 and 106.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A. and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
301	Atka	52 12	174 20	7·6	..	..	..	..	..	..	..	..	..	..	..	..	132	
302	St. Paul Island	57 15	170 10	6·1	..	1009·8	+ 1·7	283·7	286·3	13th	279·7	277·4	17th	281·7	..	..	86	
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	1013·2	+ 1·0	286·7	293·6	25th	280·5	278·0	19th	283·6	..	−0·1	90	
304																		
305	Dillingham	59 0	158 28	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
306	Kodiak (Radio)	57 46	152 22	6·1	..	1010·8	− 0·2	288·3	293·0	23rd	281·7	278·6	18th, 25th	285·0	..	..	97	
309	Sitka	57 3	135 19	27·4	..	1015·6	− 0·2	286·7	289·7	2nd, 25th	282·9	280·2	8th, 9th	284·8	*285·0*	−1·1	367	
310	Prince Rupert	54 18	130 18	51·8	1009·3	1015·6	− 1·5	289·1	298·6	31st	283·6	281·9	sev. dates	286·3	*286·3*	−0·5	213	
311	Barkerville	53 2	121 35	1274	872·3	1018·3	+ 2·7	288·6	296·3	1st	278·6	273·0	9th	283·6	*283·3*	−1·5	109	
312	Kamloops	50 42	120 29	385	973·6	1018·3	+ 1·6	298·0	304·7	7th, 25th	285·2	279·1	28th	291·6	*291·6*	−1·5	81	
313	Calgary	51 2	114 2	1045	894·5	1012·5	− 0·3	298·6	306·9	1st	280·8	274·1	28th	289·7	*288·3*	+1·9	65	
314	Fort Chipewyan	58 42	111 10	218	982·6	1008·2	..	291·9	300·8	16th	281·9	271·9	21st	286·9	*287·5*	−0·7	93	
315	Prince Albert	53 10	106 0	442	959·2	1010·3	− 1·3	296·3	303·0	26th	282·4	276·9	29th	289·4	*289·1*	+1·5	73	
316	Qu'Appelle	50 30	103 47	645	936·9	1010·6	− 2·4	296·9	303·0	8th	283·0	277·4	28th	289·9	*289·0*	+0·7	69	
317	Minnedosa	50 15	99 50	515	952·1	1011·5	− 1·4	296·9	304·1	9th	283·0	274·7	30th	289·9	*289·1*	+1·0	39	
318	Berens River	52 18	97 23	216	..	..	..	295·1	305·8	20th	281·2	275·8	13th	288·1	..	−1·9	80	
318a	Port Nelson	57 4	92 36	14·9	1007·6	1009·4	+ 0·2	291·3	305·8	19th	279·1	273·0	2nd	285·2	..	+0·5	16	
319	Fort Hope	51 33	87 49	‡260	981·4	1014·5	..	293·6	300·8	19th	281·3	273·0	31st	287·4	*287·9*	−0·7	65	
320	Moose Factory	51 14	80 30	9·1	1014·5	1015·6	+ 2·1	294·1	299·7	11, 21, 24	280·2	271·9	18th	287·2	..	−1·0	41	
321	Fort George	53 50	79 5	97·5	..	..	..	286·7	295·2	9th	278·4	273·6	26th	282·5	*282·3*	..	98	
322	Mistassini Post	50 15	73 55	383	..	..	..	289·7	298·0	25th	278·4	268·6	16th	284·1	..	−0·8	105	
323	Hebron	58 12	62 21	15·0	..	..	..	..	..	..	..	..	..	..	..	..	..	
324	Natashquan	50 8	61 48	?	..	..	..	289·8	296·9	24th	280·9	274·1	28th	285·3	..	−1·3	68	
326	Belle Isle	51 53	55 23	133	994·8	1011·0	− 0·8	284·7	288·0	30th	275·8	271·3	27th	280·2	*280·3*	−3·7	44	
334	Cahirciveen (Valencia Obs.)	51 56	10 15	13·7	1015·9	1017·5	+ 3·3	290·5	293·0	9th	285·9	281·3	29th	288·2	288·2	+0·3	71	
335	Aberdeen	57 10	2 6	26·8	1008·4	1011·6	+ 0·2	290·4	294·7	11th	284·4	279·7	31st	287·3	287·0	+0·8	69	
336	Greenwich	51 28	W 0 0	46·3	1011·0	1016·4	+ 1·8	295·6	305·2	22nd	284·8	280·8	25th	290·2	289·8	+0·2	27	
337	Uccle	50 48	E 4 22	100	1004·2	1016·2	+ 0·6	295·5	306·1	22nd	284·4	279·0	30th	289·9	289·7	−0·3	108	
338	De Bilt	52 6	5 11	3·0	1015·3	1015·7	+ 1·0	294·4	305·2	23rd	284·6	277·8	30th	289·5	288·9	−0·8	52	
338a	Hamburg	53 33	9 58	26·0	1011·1	1014·2	+ 0·5	292·9	301·0	22nd	286·1	283·0	30th	289·5	*289·2*	−0·6	167	
339	Copenhagen	55 41	12 36	5·0	1012·2	1012·8	− 0·1	292·3	298·2	22nd	287·1	284·4	24th	289·7	*289·4*	+0·6	72	
340	Potsdam	52 23	13 4	84·9	1004·6	1014·8	+ 0·1	295·1	306·1	22nd	285·2	280·8	31st	290·1	289·2	−0·5	73	
340a	Upsala	59 51	17 38	24	1006·9	1009·8	− 1·3	293·1	299·2	10th	282·7	276·6	30th	287·9	287·7	+0·1	65	
341	Warsaw	52 13	21 1	133	998·0	1013·6	− 1·1	294·7	305·2	23rd	286·3	283·1	26th	290·5	290·1	−0·8	83	
342	Dorpat (Jurjev)	58 23	26 43	74·5	1001·5	1010·4	− 1·1	291·8	296·7	10th	282·9	277·8	20th	287·3	286·8	−1·4	30	
343	Petrograd	59 56	30 16	4·8	1008·2	1008·8	− 3·0	290·2	294·3	10th	283·7	278·9	31st	287·0	*286·6*	−2·0	60	
344	Kiev	50 27	30 30	183	990·7	1012·3	− 1·6	295·2	303·4	25th	286·3	281·2	14th	290·8	*289·9*	−1·7	95	
344a	Moscow	55 59	37 33	167	989·6	1009·5	− 2·9	291·4	297·7	1st	282·9	278·6	26th	287·2	*286·8*	−2·8	151	
345	Saratov	51 32	46 3	59·9	..	..	..	..	..	..	..	..	..	..	..	..	..	
346	Kazan	55 47	49 8	79·9	999·6	1009·1	− 1·7	293·4	302·1	7th	284·5	276·7	10th	289·0	*288·4*	−2·1	87	
347	Orenburg	51 45	55 6	109	997·8	1010·7	− 0·2	298·9	309·7	3rd	285·2	277·6	12th	292·0	*291·8*	−0·5	28	
348	Perm	58 1	56 16	163	988·3	1007·7	− 2·5	291·8	301·5	1st	283·1	275·3	16th	287·4	*286·8*	−1·4	100	
349	Ekaterinburg	56 49	60 38	281	974·8	1007·8	− 3·7	293·0	304·2	23rd	282·9	275·2	11th	288·0	*287·6*	−0·3	73	
350	Tobolsk	58 12	68 14	?108	..	..	..	..	..	..	..	..	..	..	..	..	..	
351	Akmolinsk	51 12	71 23	?347	970·7	1010·6	− 0·2	..	306·6	6th	284·8	275·6	17th	..	*293·5*	+2·8	7	
352	Omsk	54 58	73 23	90	..	..	..	..	..	..	..	..	..	..	*292·2*	+2·6	13	
353	Barnaoul	53 20	83 48	162	992·6	1011·6	+ 0·9	298·4	305·0	9th	283·4	275·7	18th	290·9	*291·5*	+1·7	2	
354	Tomsk	56 30	84 58	122	996·7	1011·2	+ 1·5	..	303·3	10th	283·5	274·2	31st	..	*288·9*	+0·8	19	
355	Minousinsk	53 43	91 41	249	982·2	1011·2	+ 0·2	..	307·0	12th	283·7	278·5	19th	..	*291·5*	..	21	
356	Eniseisk	58 27	92 10	77·6	1002·4	1011·7	+ 1·5	..	303·0	10th	281·0	273·6	15th	..	*287·8*	−0·7	53	
357	Irkutsk	52 16	104 19	467	958·3	1012·7	+ 2·4	..	301·5	13th	280·5	274·8	21st	..	*287·1*	−1·2	43	
358	Kirensk	57 47	108 7	263	..	..	..	..	..	..	..	..	..	..	..	..	..	
359	Tchita	52 2	113 30	687	931·9	1010·5	+ 2·3	..	302·1	14th	281·8	275·9	23rd	..	*288·4*	0·0	93	
360	Nertchinskii Zavod	51 19	119 37	626	939·2	1010·9	+ 3·0	..	299·3	15th	281·9	276·2	3rd	..	*288·9*	+0·4	62	
361	Tygan Ourkan	54 5	124 46	379	965·5	1009·7	..	296·5	303·8	15th	278·9	270·9	3rd	287·7	*288·0*	..	88	
362	Blagoveshchensk (Bureau Météor.)	50 16	127 30	142	992·6	1009·2	+ 3·3	299·4	305·0	20th	286·7	279·4	3rd	293·0	*292·8*	+1·2	14	
363	Paikanskii Sklad	50 11	130 7	?145	991·4	1008·4	..	297·3	300·3	22nd	284·7	277·2	3rd	291·0	*291·3*	..	47	
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	1007·0	1009·5	+ 1·3	..	301·6	2nd	282·5	277·0	18th	..	*289·2*	+0·3	25	
366	Okhotsk	59 21	143 12	6·0	..	..	..	..	..	..	..	..	..	..	..	..	..	
367																		
368	Petropavlovsk (Radio)	53 0	158 39	13·5	1006·8	1008·4	− 2·2	289·6	297·3	8th	282·0	278·0	16th	285·8	*285·1*	..	155	
369																		
371	Attu Island	52 56 N.	173 13 E.	4·9	..	..	..	..	..	..	..	..	..	..	..	..	..	
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 106 and 107. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N. AUGUST—ZONE 4.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	70·1	1009·1	1017·6	+ 0·4	292·4	299·7	30th	284·1	282·4	27th	288·3	287·5	0·0	45	+ 28
412	Portland, Oregon	45 32	122 41	46·6	1011·8	1016·9	+ 0·6	298·2	307·4	31st	287·1	281·9	27th	292·7	*292·3*	+0·5	8	− 8
413	Macleod	49 44	113 24	953	..	..	..	298·4	308·0	2nd	283·3	276·9	28th	290·9	*291·2*	+1·1	40	− 3
414	Helena	46 34	112 4	1253	874·3	1013·9	+ 0·3	297·2	305·2	1st	283·7	276·9	28th	290·4	*290·3*	−2·0	24	+ 6
414a	Salt Lake City	40 46	111 54	1329	867·4	1012·5	+ 0·2	301·9	308·6	4th	289·1	283·0	22nd	295·5	*296·0*	−1·1	15	− 5
415	Cheyenne	41 8	104 48	1856	816·2	1013·9	+ 0·9	298·5	306·3	2nd	284·2	278·6	31st	291·3	*291·4*	−0·4	43	+ 5
416	North Platte	41 8	100 45	859	917·3	1014·5	+ 0·6	303·8	311·9	3rd	288·8	281·3	31st	296·3	*296·0*	+0·6	44	− 16
416a	Bismarck	46 47	100 38	511	954·8	1014·2	− 0·2	300·7	309·1	3rd	286·2	279·1	31st	293·4	*293·6*	+0·5	67	+ 16
417	Winnipeg	49 53	97 7	232	984·4	1011·5	− 2·4	298·0	306·9	3rd	285·2	278·0	30th	291·6	*291·1*	+1·4	81	+ 19
418	Duluth	46 47	92 6	345	973·9	1014·5	− 0·3	296·1	305·2	4th	286·1	280·8	31st	291·1	*290·7*	+1·0	59	− 18
419	Port Arthur	48 27	89 12	196	991·2	1014·4	− 0·5	295·8	303·6	25th	284·1	276·9	31st	289·9	*289·3*	+1·4	73	+ 3
420	Chicago	41 53	87 37	251	986·5	1015·9	0·0	300·9	311·9	5th	293·6	288·0	31st	297·3	*297·5*	+2·4	32	− 47
421	Toronto	43 40	79 24	116	1002·7	1016·4	+ 0·9	300·8	311·9	13th	288·6	281·9	1st, 3rd	294·7	293·7	+2·5	105	+ 35
422	New York (Central Park)	40 46	73 58	30·2	1013·3	1016·8	+ 0·2	302·2	313·0	7th	293·2	288·0	18th	297·7	297·3	+1·3	62	− 50
423	St. John, N.B.	45 17	66 4	36·2	1012·2	1016·5	+ 1·1	291·9	299·1	6th, 20th	284·7	280·8	28th	288·3	288·1	−0·6	50	− 48
424	S.W. Point, Anticosti	49 24	63 33	9·1	1012·4	1013·5	+ 1·2	288·0	292·4	22nd	281·9	278·0	17th	284·9	*285·2*	−1·5	37	− 50
424a	Sable Island (Main Station)	43 57	60 6	7·6	1018·0	1018·9	+ 2·1	291·9	294·7	31st	286·9	280·8	29th	289·4	*289·1*	−0·8	131	+ 37
425	Port aux Basques	47 35	59 10	9·1	1013·7	1014·8	− 0·3	289·7	294·1	22nd, 24th	283·0	276·3	28th	286·3	*286·1*	−1·2	119	+ 4
426	St. John's, Newfoundland	47 34	52 42	38·1	1010·5	1015·1	+ 1·4	291·3	299·7	22nd	281·3	275·2	29th	286·3	*285·9*	−1·9	69	− 21
435	Madrid	40 24	3 41	655	941·9	1014·6	− 0·2	310·6	315·7	12th	289·0	285·0	3rd, 5th	299·8	299·2	+2·4	0	− 12
436	Nantes	47 15	W 1 34	36·5	1014·2	1018·5	+ 1·4	297·4	307·1	22nd	285·7	282·0	27th	291·5	291·4	+0·1	28	− 21
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1012·2	1018·2	+ 1·5	297·3	307·2	22nd	285·4	282·6	25th, 27th	291·4	291·2	+0·5	35	− 15
438	Marseilles	43 18	5 23	75	..	1016·0	+ 0·9	301·1	305·8	18th	288·4	281·1	31st	294·7	*294·7*	0·0	1	− 16
438a	Zürich	47 23	8 33	493	961·5	1018·8	+ 1·3	297·3	306·2	22nd	285·1	278·3	31st	291·2	290·2	−0·2	80	− 52
439	Rome	41 54	12 27	45	1010·6	1015·9	+ 0·9	301·8	305·3	21st	290·8	288·1	17th	296·3	*296·4*	−0·8	12	− 15
439a	Vienna	48 15	16 22	203	991·3	1015·2	− 0·2	294·9	301·8	23rd	287·3	284·0	31st	291·1	290·8	−1·2	128	+ 58
440	Buda-Pesth	47 31	19 2	130	999·1	1014·4	− 0·4	298·8	307·5	23rd	287·9	283·3	29th	293·4	*292·8*	−0·2	105	+ 56
441	Sofia	42 42	23 20	550	952·0	1014·5	+ 0·8	301·1	307·9	4th	287·1	283·3	16th	294·1	*293·9*	+0·8	37	− 19
442	Bucharest	44 25	26 5	82	1003·8	1013·4	− 0·8	303·1	311·3	25th	288·0	282·9	15th	295·5	295·3	+0·1	72	+ 21
443	Odessa (University)	46 26	30 46	42·8	1009·7	1014·7	+ 0·3	298·0	307·0	25th	288·9	284·0	13th	293·4	*293·1*	−1·6	44	− 5
444	Kharkov (University)	50 0	36 14	140	995·6	1012·1	− 2·6	296·5	303·6	5th	285·1	276·9	15th	290·8	*290·1*	−1·6	59	+ 8
444a	Novorossiisk	44 44	37 49	37·1	1008·3	1012·6	− 0·2	300·0	306·3	9th	290·0	284·0	14th	295·0	*295·1*	−1·3	33	+ 4
445	Tiflis	41 43	44 48	404	965·5	1011·2	− 0·9	305·3	311·0	10th	291·1	283·6	25th	298·2	*297·4*	+0·1	12	− 26
446	Astrakhan	46 21	48 2	−13·8	..	..	..	..	..	..	..	..	..	..	..	..	..	
447	Fort Alexandrovsk	44 31	50 7	−18·0	1012·8	1010·7	− 2·0	301·9	312·2	1st	289·9	287·4	24th	295·9	*297·2*	−0·5	21	+ 9
448	Krasnovodsk	40 0	52 59	−17·2	1011·9	1009·9	− 1·2	306·4	311·9	18th	297·1	290·8	25th	301·8	*300·8*	−0·7	2	− 2
449	Aralskoe More	46 47	61 42	56	1004·8	1011·3	− 0·2	303·7	309·4	23rd	290·5	283·6	17th	297·1	*297·8*	+1·1	2	..
450	Tachkent	41 20	69 18	478	952·4	1005·8	− 1·6	308·4	313·7	15th	290·0	285·7	17th	299·2	*298·6*	+1·1	0	− 4
451	Narynskoe	41 26	76 2	?2015	794·7	..	..	..	..	..	..	..	..	..	*291·3*	+1·7	5	..
452	Vernyi	43 16	76 53	841	..	..	..	..	..	..	..	..	..	..	..	..	..	
461	Mukden	41 48	123 23	43·8	1004·1	1009·2	+ 2·4	302·0	306·1	9th	292·4	288·5	30th	297·2	296·5	0·0	125	− 12
462	Joslin	40 40	129 11	4·0	1009·9	1010·4	+ 2·1	298·0	304·3	25th	292·1	289·0	30th	295·1	294·5	−0·2	126	+ 1
463	Yuki	42 20	130 24	65·6	1003·0	1010·8	..	296·6	300·0	3rd, 6th	290·2	286·1	9th, 20th	293·4	293·1	..	122	..
464	Vladivostok	43 7	131 55	128	995·9	1010·9	+ 1·4	295·9	299·9	12th	289·9	288·0	19th, 20th	292·9	292·3	−1·5	63	− 47
465	Ochiai	47 20	142 44	6·6	1009·7	1010·5	− 0·6	295·2	299·4	10th	285·3	277·3	18th	290·3	290·3	+0·0	73	− 20
466	Nemuro	43 20	145 35	26·7	1009·1	1012·2	+ 0·7	294·8	300·5	29th	287·9	284·4	8th	291·3	290·8	+0·8	79	− 31
466a	Syana	45 14 N.	147 53 E.	39·3	1007·5	1012·2	0·0	293·1	298·9	15th	285·3	279·0	9th	289·2	289·3	+0·8	111	+ 41

Between Latitude 40° N. and 30° N. AUGUST—ZONE 5 (Western Half).

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		N.	W.															
511	San Francisco	37 48	122 26	47·2	1008·5	1014·2	+ 0·3	292·7	297·4	29th	285·4	284·1	8th	289·1	*287·9*	+0·6	0	− 1
512	San Luis Obispo	35 18	120 39	61·3	1007·2	1014·5	+ 0·5	298·3	305·8	28th	285·4	281·9	5th	291·9	*290·4*	+0·3	0	− 1
513	San Diego	32 43	117 10	26·5	1010·1	1013·2	+ 0·7	296·7	300·8	3rd	291·3	288·0	18th	294·0	*293·7*	+0·3	3	+ 1
514	Modena	37 48	113 54	1670	835·2	1012·8	+ 0·9	300·8	308·0	3rd	283·5	276·9	18th	292·2	*291·9*	−1·4	32	− 5
515	Santa Fé	35 41	105 57	2138	790·6	1011·2	− 1·1	299·1	304·1	3rd	286·8	284·1	31st	292·9	*292·1*	−0·4	21	− 35
516	Denver	39 45	105 0	1613	839·8	1013·9	+ 0·4	301·2	306·9	1st	287·7	284·1	24th	294·4	*293·9*	−0·4	33	− 2
517	Abilene	32 23	99 40	530	953·5	1012·5	− 0·6	309·4	311·9	19th	296·5	291·3	1st	303·0	*303·0*	+2·7	76	+ 17
518	Saint Louis	38 38	90 12	173	995·1	1015·2	− 0·3	306·0	313·6	4th	296·2	289·7	31st	301·1	*300·6*	+2·4	134	+ 61
519	Mobile	30 41	88 2	17·4	1015·9	1017·9	+ 2·5	304·4	311·3	16th	296·3	293·6	27th	300·3	*299·5*	0·0	360	+187
520	Nashville	36 10	86 47	166	998·4	1017·6	+ 1·7	305·9	310·2	10th	294·8	287·4	1st	300·3	*299·9*	+1·5	77	− 10
521	Charleston	32 47	79 56	14·6	1016·3	1017·9	+ 1·6	304·9	310·2	14th	296·8	292·4	21st	300·9	*300·6*	+0·8	73	− 99
522	Washington	38 54	77 3	34·1	1013·5	1017·3	+ 1·2	303·9	314·1	6th	292·8	284·7	20th	298·3	*297·6*	+1·0	48	− 61
530	Bermuda	32 18	64 46	46·0	1014·3	1019·6	+ 0·8	302·2	304·6	14th	296·7	293·4	21st	299·5	*299·1*	−0·2	207	+ 69
531	Santa Cruz (Flores)	39 27	31 9	28	1021·9	1025·1	+ 1·6	297·1	299·2	20th, 21st	291·7	289·0	24th	294·4	*294·3*	−0·7	61	− 37
532	Horta	38 32	28 38	65	1017·4	1024·6	+ 1·9	296·5	299·5	28th	291·5	289·3	1st	294·0	294·3	−1·3	65	− 16
532a	Ponta Delgada	37 44	25 40	22	1022·4	1024·3	+ 2·0	297·4	299·4	13th	292·4	290·0	3rd	294·9	294·8	−0·6	..	..
533	Faja da Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	31	− 28
534	Madeira (Funchal)	32 37	16 54	25	1018·4	1021·3	+ 2·2	296·6	298·2	26th, 27th	291·7	290·6	13th	294·2	*294·3*	−1·2	1	− 2
535	Lisbon	38 43	9 9	95	1006·4	1017·5	+ 0·2	301·5	310·4	21st	292·1	289·2	2, 28, 29	296·8	*296·1*	+1·5	1	− 5
536	Gibraltar	36 6	5 21	16·2	1015·4	1017·4	+ 0·5	300·2	303·0	1, 2, 20	293·6	291·3	5, 20, 30	296·9	*296·3*	−0·5	0	− 3
536a	Melilla	35 18 N.	2 59 W.	8	‡1018·0	‡1018·9	+ 0·6	302·2	307·2	7th	291·5	288·6	20th	296·8	*298·0*	−3·1	2	+ 1
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.

RÉSEAU MONDIAL.

AUGUST—ZONE 5 (Eastern Half). Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.	Days
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.	
537	Palma	39 34	2 39	23	1018·6	1021·2	+ 4·0	303·4	306·6	22nd	292·8	290·8	1st, 13th	298·1	..	−0·4	0		
538	Algiers (Bouzaréah)	36 48	3 2	343	977·4	1016·3	+ 0·5	300·3	309·4	23rd	292·9	291·3	13th	296·6	296·4	−0·3	0		
539	Tunis	36 48	10 10	21	1015·4	1018·1	+ 2·6	304·2	311·5	2nd	292·4	288·2	29th	298·3	297·7	−1·1	0		
539a	Malta	35 54	14 31	56·4	..	1016·3	+ 0·2	300·7	303·0	31st	295·2	293·3	25th	297·9	297·2	−1·3	0		
540	Riposto	37 41	15 14	14·2	..	1018·2	+ 1·9	300·9	303·0	6th	293·5	291·8	18th	297·2	295·9	−2·6	0		
541	Athens	37 58	23 43	107	999·9	1012·3	+ 0·5	304·4	308·5	25th	295·1	290·7	14th	299·7	299·3	−0·2	3		
542	Alexandria	31 12	29 53	32·0	1007·4	1011·1	+ 0·8	303·9	304·8	6th, 15th	296·3	294·4	27th	300·1	299·3	+0·4	0		
543	Cairo (Helwan)	29 52	31 20	116	996·7	1010·0	+ 1·4	307·6	311·4	4th	293·7	291·6	25th	300·6	300·3	−0·3	0		
544	Nicosia (P.W.D.)	35 9	33 22	159	989·8	1007·6	+ 1·0	307·4	312·4	5th	292·3	289·1	28th	299·8	..	−1·5	0		
544a	Beirut	33 54	35 28	33·7	..	1009·5	+ 2·0	303·0	304·7	4th, 5th	296·1	292·4	22nd	299·6	299·5	−0·8	6		
545	Baghdad	33 21	44 28	38·1	..	1002·2	+ 0·9	315·2	319·8	4th	299·0	294·2	23rd	307·1	305·1	−0·7	0		
546	Busrah	30 31	47 53	7·6	1000·5	1001·5	+ 0·4	314·1	318·3	13th	297·7	293·1	24th	305·9	..	−0·8	0		
546a	Lenkoran	38 46	48 51	−19·3	..	..	..	..	..	..	..	..	..	..	..	..	..		
547	Teheran	35 41	51 25	1220	..	..	..	307·9	312·2	14th	294·2	290·7	24th	301·1	300·8	−0·9	0		
548	Meshed	36 16	59 35	946	..	..	..	..	..	..	..	..	..	..	..	..	..		
549	Seistan	31 0	61 30	?	..	..	..	310·5	316·3	15th	295·3	290·7	30th	302·9	..	..	0		
550	Quetta	30 11	67 3	1677	827·6	..	− 0·2	307·5	310·5	17th	288·9	283·9	31st	298·2	297·9	+0·6	2		
551	Peshawar	34 2	71 37	339	961·5	998·6	− 1·8	313·0	319·2	7th	299·3	296·1	28th	306·2	305·7	+1·7	17		
551a	Lahore	31 34	74 20	214	975·1	998·6	− 1·3	310·9	316·4	2nd	300·6	295·1	23rd	305·8	305·2	+1·6	111		
552	Simla	31 7	77 8	2205	777·6	..	− 0·3	292·5	295·1	7th	288·2	286·0	3rd	290·3	290·0	+0·2	358		
552a	Leh	34 10	77 42	3503	665·2	..	+ 0·2	299·6	302·6	18th	283·1	280·2	26th	291·3	289·9	+0·9	4		
559	Hankow	30 35	114 17	37·0	1003·1	1007·3	+ 1·4	305·1	308·9	5th	297·5	293·6	31st	301·3	301·0	−0·8	214		
560	Tientsin	39 10	117 10	5·0	1009·1	1009·7	+ 2·6	302·1	306·6	6th	294·8	289·2	27th	298·5	298·2	−1·0	136		
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1008·0	+ 2·0	306·3	309·2	16th	296·8	293·7	30th	301·5	300·5	+0·7	177		
562	Jinsen (Chemulpo)	37 29	126 37	67·6	1002·1	1010·0	+ 1·3	301·4	308·5	7th	294·3	291·0	20th	297·9	297·4	−0·2	404		
562a	Nagasaki	32 44	129 52	133	995·4	1010·7	+ 2·4	302·5	305·9	5th	295·5	292·7	7th	299·0	298·5	−1·0	184		
563	Kioto	35 1	135 44	42·9	1006·2	1011·1	+ 2·1	304·4	309·4	3rd	294·5	291·5	4th	299·4	298·6	−0·5	238		
564	Tokio	35 41	139 45	21·3	1009·2	1011·7	+ 1·7	303·6	307·4	18th	295·5	292·9	26th	299·6	299·1	+0·7	78		
565	Kanayama	37 53	140 46	24·6	1009·0	1011·8	+ 1·5	302·1	305·6	17th	293·2	290·5	25th	297·7	297·1	+1·1	101		
566	Miyako	39 38	141 59	30·4	1008·1	1011·6	+ 1·0	301·6	307·7	29th	292·0	287·7	22nd	296·8	295·8	+0·7	106		

AUGUST—ZONE 6. Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.	Days
		N.	W.																
605	Honolulu	21 19	157 52	11·6	1014·1	1015·4	− 0·7	301·6	303·0	..	296·1	294·1	..	298·9	298·7	+0·2	70		
614	La Paz	24 10	110 20	12	1008·9	1010·2	..	308·3	311·6	22nd	295·9	293·0	2nd	302·1	..	..	43		
615	Chihuahua	28 38	106 4	1423	861·4	1011·6	..	299·6	303·0	31st	288·9	287·1	26th	294·2	..	..	85		
616	Leon	21 7	101 41	1809	823·6	1011·6	+ 1·9	298·9	301·6	27th	287·2	285·4	26th	293·0	291·5	−1·5	134		
616a	Monterry	25 40	100 18	528	954·0	1011·9	..	305·5	308·4	19th	293·8	289·0	22nd	299·6	300·4	..	11		
617	Tulancingo	20 5	98 22	2180	..	..	..	..	296·1	..	..	294·0	..	..	289·1	−0·7	66		
618	Galveston	29 18	94 50	16·5	1014·6	1016·6	+ 1·9	303·3	305·2	18th	299·0	282·0	..	..	289·1	−0·7	66		
618a	New Orleans	29 58	90 4	16·2	..	1017·3	+ 2·3	304·8	309·7	16th	296·8	294·1	2nd	301·2	301·1	0·0	77		
619	Merida, Yuc.	20 58	89 38	22	1012·8	1015·2	..	305·4	306·6	2, 17, 24	296·6	295·2	5th	301·0	300·4	..	75		
620	Havana	23 8	82 21	24·3	..	1016·7	+ 1·6	303·7	305·8	6th	297·5	295·8	29th	300·6	300·5	+0·5	39		
620a	Key West	24 33	81 48	6·7	1016·0	1016·6	+ 1·2	304·8	306·3	19th	299·4	296·3	21st	302·1	301·5	−0·3	47		
621	Nassau, Bahamas	25 5	77 21	3·7	..	1019·5	+ 2·9	304·1	305·2	14, 17, 25	297·8	295·2	8th	300·9	301·0	−0·1	146		
622	Watling Island	24 0	74 26	33·5	1014·5	1018·3	+ 3·2	..	304·1	18th	..	298·0	21st	..	301·9	..	..		
633	Izaña	28 19	16 30	2367	773·6	..	..	294·1	298·2	19th	285·3	280·3	3rd	289·7	288·8	..	0		
634	La Laguna	28 28	16 20	547	955·3	1017·6	+ 2·1	298·2	302·9	11th	289·3	287·6	13th	293·7	293·1	−1·3	6		
637	Insalah	27 1	W 2 21	?280	..	..	..	317·9	323·0	1, 3, 4	299·2	295·0	27th	308·6	310·1	−0·5	0		
641	Siwa	29 12	E 25 29	−23	..	..	..	..	..	..	..	..	..	..	..	..	..		
642																			
643	Aswan	24 2	32 53	99·6	995·9	1007·1	+ 0·8	313·5	316·4	2nd	297·9	296·1	23rd	305·7	305·1	−0·3	..		
644	Tor	28 14	33 37	1·9	1006·4	1006·6	+ 1·3	306·9	311·1	8th	297·1	293·0	28th	302·0	301·1	0·0	..		
647	Bushire	28 59	50 53	4·3	999·3	999·8	+ 0·2	308·7	314·2	5th	301·7	297·7	28th	305·2	304·6	−0·3	0		
648	Jask	25 44	57 47	4·0	999·6	1000·1	− 0·9	308·4	313·1	15th	302·3	300·9	7th	305·3	304·7	+0·6	0		
649	Robat	29 45	60 55	?	901·5	..	..	313·4	317·1	24th, 25th	293·7	288·8	27th	303·6	..	..	0		
649a	Karachi	24 53	66 57	4·0	1001·4	1001·9	0·0	301·6	303·5	5th	297·8	296·3	31st	299·7	299·1	−0·8	1		
650	Jacobabad	28 17	68 29	56·7	991·8	997·9	− 1·1	315·1	320·5	7th	300·7	298·7	24th	307·9	307·3	+0·9	0		
651	Jaipur	26 56	75 52	436	953·8	1001·5	− 0·3	307·1	312·2	3rd	298·2	295·3	31st	302·6	301·7	+0·8	156		
652	Nagpur	21 8	79 5	310	999·2	1003·7	+ 0·3	303·1	306·3	11th	296·7	295·2	1st	299·9	299·1	−0·2	150		
653	Allahabad	25 25	81 51	94·1	999·4	?1000·9	− 0·2	305·9	310·4	13th	299·0	296·8	27th	302·5	301·9	+0·4	334		
653a	Darjiling	27 3	88 18	2266	772·7	..	− 1·2	292·1	295·7	15th	287·2	285·2	26th	289·6	289·3	+0·2	939		
654	Calcutta	22 36	88 23	6·4	1000·4	1001·1	− 0·9	304·3	306·1	2nd	298·9	296·9	9th	301·6	301·5	+0·5	274		
655	Gauhati	26 8	91 41	59·7	996·7	1003·4	− 0·9	304·3	307·1	7th	298·3	296·5	26th	301·3	300·5	−0·5	439		
655m	Cherrapunji	25 15	91 42	1314	863·5	..	− 1·0	295·0	297·8	15th	291·2	290·4	21st	293·1	292·6	−0·2	2105		
655a	Akyab	20 11	92 56	6·1	1003·3	1004·0	− 1·3	301·9	304·0	29th, 30th	296·8	294·9	10th	299·3	299·4	−0·8	1603		
656	Mandalay	21 59	96 0	76·2	996·7	1005·4	− 0·3	306·8	309·4	7th	298·4	296·9	9th, 27th	302·6	302·2	−0·2	150		
656a	Tengyueh	24 59	98 35	1633	829·8	..	..	296·1	300·2	13th	289·8	288·6	14th, 27th	292·9	292·3	..	432		
657	Phu Lien	20 48	106 37	115	999·7	1003·8	0·0	303·2	307·1	26th	297·2	294·7	23rd	300·2	299·8	−1·1	420		
658	Moncay	21 31	107 51	9	1003·0	1004·0	+ 0·5	302·9	307·1	26th	296·7	294·2	23rd	299·8	299·1	−1·5	1216		
659	Hong Kong	22 18	114 10	33·2	..	1005·4	+ 0·3	301·7	303·6	25th	297·7	296·3	3rd	299·7	299·4	−1·1	742		
660	Amoy	24 27	118 4	ca.3	1006·5	1006·8	+ 2·1	302·3	305·8	24th, 29th	298·3	296·9	1, 3, 5	300·3	299·9	−1·7	261		
661	Taihoku, Formosa	25 2	121 31	9·3	1006·8	1007·8	+ 2·6	305·3	307·9	19th	295·9	293·7	21st	300·6	300·0	−0·7	170		
661a	Santo Domingo	20 28	121 59	18·7	..	..	..	..	..	..	..	..	..	..	..	..	..		
662	Naha	26 13	127 41	10·5	1008·6	1009·8	+ 3·1	304·5	306·3	17th	297·1	295·2	18th	300·8	300·6	−0·2	210		
665	Titizima (Bonin Islands)	27 5	142 11	4·0	1010·4	1010·8	+ 2·3	303·1	305·0	21st	297·3	295·2	18th	300·2	299·8	−0·2	116		
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.	

* For formulæ employed *see* pages 109 and 110. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 110.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N. AUGUST—ZONE 7.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure* Mean at Level of Station.	Pressure* Mean at M.S.L.	Pressure* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Colima	19 12	103 45	509	956·4	1011·0	..	304·1	307·0	27th	294·1	292·8	13th	299·1	299·2	..	212	..
716	Morelia	19 42	101 7	1923	810·4	1007·5	..	295·8	297·7	27th	285·1	284·0	19th	290·4	290·0	..	216	..
717	Mexico, Tacubaya	19 24	99 12	2309	776·3	1011·2	+ 0·9	296·4	299·0	27th	283·2	280·6	23rd	289·8	287·9	−1·2	202	+ 80
718	Oaxaca	17 4	96 42	1563	..	..	..	..	..	..	..	..	..	..	..	..	..	..
718a	Salina Cruz	16 12	95 12	56	1005·6	1010·9	..	305·4	307·4	26th	297·5	293·3	9th	301·4	300·9	..	101	..
719	San Salvador	13 42	89 13	‡665	938·0	1012·3	+ 1·1	307·5	309·4	6th	290·8	288·8	16th	299·1	296·7	+0·1	247	− 45
720	Belize	17 29	88 12	5·2	1013·6	1014·2	+ 2·1	302·9	304·7	25th	297·1	292·2	26th	300·0	299·6	−0·8	244	+ 4
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1013·6	+ 0·4	304·2	307·9	28th	295·7	294·1	31st	299·9	300·1	+0·1	191	+ 19
722	Port au Prince	18 33	72 23	37·4	1010·7	1015·0	+ 0·9	306·6	309·3	25th	296·0	293·4	29th	301·3	300·4	−0·2	77	− 58
723	Caracas	10 30	66 55	‡1010	901·9	..	+ 0·8	298·3	300·5	17th, 21st	288·3	286·8	20th, 23rd	293·3	292·2	−1·3	125	+ 17
724	Montserrat	16 41	62 9	39·6	1010·5	1015·0	+ 0·2	305·8	308·6	7th	296·9	294·7	2nd, 19th	301·3	300·7	..	118	..
724a	Grenada (Richmond Hill)	12 5	61 46	155	995·1	1012·9	+ 0·5	301·9	304·7	31st	296·9	294·7	15th, 19th	299·4	298·8	0·0	166	− 73
725	Barbados	13 8	59 36	55·2	..	1014·1	+ 0·4	302·9	303·8	19th, 20th	296·1	294·9	16th, 29th	299·5	299·4	+0·1	170	− 9
731	St. Vincent, C. Verde Is.	16 54	25 4	11	..	..	..	..	..	..	..	..	..	..	..	..	..	..
732	San Tiago, C. Verde Is.	14 54	23 31	?40	1010·1	1014·7	+ 1·3	301·4	303·3	22nd	297·6	296·0	6th	299·5	299·6	0·0	322	+213
733	Bathurst	13 24	16 36	1·5	1013·1	1013·3	+ 1·3	302·8	304·1	sev. dates	..	..	..	..	299·5	−1·2	416	− 83
734	M'Carthy Island	13 42	14 46	1·1	..	..	..	306·5	309·7	24th	297·0	286·9	23rd	298·7	..	−1·7	507	+243
735	Ségou	13 34	6 17	300	..	..	..	..	..	..	..	..	..	..	..	..	..	..
736	Timbuctoo	16 43	W 3 2	270	..	..	..	308·4	312·0	2nd	295·9	292·0	4th	302·2	301·8	−2·0	117	..
737	Sokoto	13 2	E 5 14	353	..	..	..	303·0	307·4	4th	293·9	289·7	5th	298·4	297·7	−0·8	273	+ 69
738	Kaduna Capital	10 32	7 25	637	945·9	1018·1	+ 2·3	298·8	302·4	29th	..	..	..	..	..	..	253	+ 7
739	Hadejia	12 40	10 5	?	..	..	..	305·4	308·0	27th, 29th	294·4	292·4	3, 12, 18	299·9	299·2	+0·2	185	..
740	Maiduguri	11 47	13 11	361	..	..	..	304·3	308·0	11, 22, 31	294·5	291·9	2nd, 7th	299·4	298·8	−0·5	352	+145
741	El Fasher	13 32	25 18	730	..	..	..	306·5	309·5	11th	294·1	291·6	9th	300·3	..	..	137	..
743	El Obeid	13 11	30 14	569	946·3	1009·5	− 0·1	?306·3	309·3	1st, 31st	293·0	290·2	26th	?299·7	?299·4	+0·3	66	− 49
743a	Khartoum	15 37	32 33	390	965·7	1008·9	+ 1·1	310·9	313·4	16th	297·9	293·2	6th	304·4	304·1	−0·1	50	− 6
744	Port Sudan	19 37	37 13	5·9	1005·2	1005·8	+ 0·8	313·1	318·0	6th	301·4	298·6	29th	307·3	306·2	−0·3	1	0
745	Berbera, Somaliland	10 22	45 2	9·2	1004·8	1005·8	+ 0·2	314·9	317·4	1st, 17th	304·0	302·4	6th, 18th	309·4	308·7	−0·2	0	− 1
746	Aden	12 45	45 3	28·7	1001·8	1004·9	+ 0·1	305·9	308·4	5th	300·0	298·2	29th	303·0	303·2	−0·2	2	− 1
751	Bombay	18 54	72 49	11·3	1005·6	1006·9	0·0	302·8	304·2	1st	299·0	298·2	22nd, 24th	300·9	300·3	+0·9	122	−226
751a	Cochin	10 58	76 21	2·7	1011·0	1011·3	+ 0·5	302·2	303·5	2nd	296·7	295·1	27th	299·4	298·8	+0·2	325	− 1
752	Kodaikanal	10 14	77 28	2343	769·9	..	+ 0·4	291·3	293·8	9th	283·8	282·7	16th	287·6	287·6	+0·2	146	− 26
752a	Bangalore	12 59	77 38	920	908·7	1009·1	+ 0·5	301·4	305·6	9th	291·8	290·7	31st	296·6	295·6	+0·4	134	+ 2
753	Madras	13 4	80 14	6·7	1006·6	1007·3	+ 0·2	309·4	313·1	5th	299·1	296·7	11th	304·2	303·6	+1·4	78	− 44
754	Vizagapatam	17 42	83 19	11·6	1001·7	1003·1	− 0·4	304·9	309·1	5th	298·3	295·6	11th	301·6	301·0	?−0·5	114	− 28
755	Port Blair	11 40	92 40	17·7	1006·6	1008·6	+ 0·2	302·2	303·6	7th, 26th	297·8	295·5	29th	300·0	299·4	−0·3	455	+ 87
756	Rangoon	16 46	95 48	5·5	1007·1	1007·8	+ 0·3	302·3	304·7	8th	296·7	295·3	20th	299·5	298·6	−0·4	671	+170
757	Saigon	10 47	106 42	11·2	1007·3	1008·5	+ 1·0	304·1	306·2	6th, 7th	296·6	295·5	27th	300·4	299·9	−0·2	205	− 69
758	Nhatrang	12 15	109 12	3·6	1005·5	1005·9	+ 0·5	306·2	309·6	13th	297·3	295·8	20th	301·7	301·1	−0·3	79	+ 42
759	Bolinao	16 24	119 53	7·1	..	1005·7	0·0	304·1	305·9	25th	296·8	295·1	14th	300·5	299·4	−0·4	493	− 67
760	Vigan	17 34	120 23	12·2	..	1006·9	+ 0·6	303·6	305·0	30th	296·8	295·3	13th	300·2	299·9	+0·1	314	−375
761	Manila	14 35	120 59	14·2	..	1008·1	+ 0·8	303·5	305·4	2nd	296·5	295·2	16th	300·0	299·5	−0·5	484	+ 91
762	Ormoc	11 0	124 36	5·6	..	1008·2	+ 0·9	305·2	306·4	13th, 14th	296·2	295·0	2nd	300·7	300·0	+0·2	227	− 36
765	Guam, Ladrone Is.	13 24	144 38	20·4	..	1007·0	− 0·3	..	..	..	..	..	..	..	..	..	217	−186
		N.	E.															

Between Latitude 10° N. and 0°. AUGUST—ZONE 8.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure* Mean at Level of Station.	Pressure* Mean at M.S.L.	Pressure* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		N.	W.															
805	Fanning Island	3 55	159 23	3·1	..	..	..	304·7	305·8	3rd	296·9	295·2	15th	300·8	300·3	+0·4	416	+314
822	Colon	9 23	79 23	11·0	..	1010·4	+ 0·1	301·8	303·0	19th	297·4	295·8	26th	299·6	299·2	+0·2	479	+ 98
822a	Bogota	4 36	74 6	2645	..	..	..	..	..	..	..	..	..	..	..	..	19	− 33
822	Merida, Venez.	8 36	71 9	1641	‡841·7	..	..	299·1	301·2	27th	288·5	286·4	13th	293·8	292·6	..	84	..
822	El Peru, Guayanavieja	7 19	61 49	220	986·4	1011·6	+ 0·5	..	..	..	..	..	..	..	‡296·7	0·0	58	−123
822	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1014·4	+ 1·5	302·8	304·1	22nd	296·7	295·2	1, 21, 23	299·7	299·6	−0·3	115	− 53
822a	Paramaribo	5 49	55 9	3·7	..	..	..	304·7	307·2	31st	296·1	294·9	13th	300·4	299·3	+0·2	170	+ 21
822a	Cayenne	4 56	52 21	6	..	..	..	306·2	307·2	sev. dates	294·2	292·0	22nd	300·2	298·8	−0·4	27	− 43
833	Conakry	9 31	13 43	16	..	..	..	..	..	..	..	..	..	..	..	..	..	..
834	Freetown, Sierra Leone	8 30	13 9	68·3	1007·2	1015·2	+ 1·9	300·6	302·4	26th	294·9	293·6	7th, 26th	297·7	296·9	−0·9	331	−583
835	Cape Coast Castle	5 5	1 13	?	..	..	..	..	..	..	..	..	..	..	..	..	3	− 15
837	Accra	5 33	W 0 12	25·7	..	..	..	301·6	..	..	295·3	..	..	298·4	298·0	+1·5	4	− 11
838	Lagos	6 27	E 3 24	1·8	1014·9	1015·1	− 0·1	301·1	302·6	..	295·3	293·6	..	298·2	297·8	+0·1	34	− 34
839	Zungeru	9 48	6 10	130	..	..	..	301·6	305·2	29th	294·6	292·4	1st, 2nd	298·1	297·6	−0·6	264	+ 34
839	Libreville	0 23	9 26	35	..	..	..	..	..	..	..	..	..	..	..	..	..	..
841	Yola	9 12	12 30	259	..	..	..	301·8	304·7	30th	295·1	293·6	3, 6, 20	298·4	297·9	−0·4	328	+119
841	Wau	7 42	28 3	440	961·6	1011·3	+ 0·8	303·4	306·5	15th, 31st	292·9	291·0	27th	298·1	297·3	−0·3	196	− 11
843	Malakal (Kodok)	9 35	31 37	394	967·5	1012·2	+ 1·1	304·0	307·2	31st	293·6	291·1	3rd	298·8	297·2	..	208	+ 38
843a	Mongalla	5 11	31 47	439	961·8	1011·3	+ 0·7	304·0	308·0	31st	293·7	292·0	24th	298·9	297·4	+0·1	215	+ 67
844	Entebbe	0 5	32 29	1171	886·1	..	+ 1·4	298·2	301·3	9th	289·4	287·4	10th	293·8	293·5	+0·1	45	− 32
845	Harrar	9 42	42 30	1856	..	..	..	..	..	..	..	..	..	..	..	..	..	..
846	Mimicoy	8 17	72 49	2·1	1011·9	1012·1	+ 1·2	..	..	..	..	..	..	..	..	..	301	+120
847	Colombo Observatory	6 54	79 53	7·3	1009·3	1010·1	+ 1·2	302·8	303·4	3rd	298·1	296·1	5th	300·4	299·8	−0·1	53	− 32
848	Nuwara Eliya	6 59	80 47	1886	..	..	..	291·7	295·4	8th	285·3	282·7	22nd	288·5	287·8	+0·3	186	− 16
849	Trincomalee	8 34	81 14	30·2	1003·6	1007·0

AUGUST—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	4 1	155 1	7·9	1010·9	1011·8	+ 0·6	305·3	306·3	12, 13, 15	297·7	294·7	30th	301·5	*300·5*	+0·3	74	+ 8
924	Manaos	3 8	60 1	43·8	..	..	..	305·4	308·2	31st	296·5	294·8	9th	300·9	*299·9*	−0·7	17	− 49
926	Taperinha	2 30	54 20	20·0	1010·9	1013·2	..	303·7	305·0	28th, 29th	294·7	293·8	18th	299·2	*298·0*	..	19	..
927	Turyassu	1 43	45 26	15·1	1011·6	1013·3	+ 0·3	305·2	306·5	5th	295·2	294·0	16th	300·2	*298·8*	−0·2	81	+ 31
928	Barra do Corda	5 30	45 16	81·0	1002·9	1012·2	0·0	306·4	308·0	19th	296·6	287·2	16th	298·5	*297·4*	−0·9	1	− 3
929	Quixeramobim	5 16	39 15	207	991·1	1014·6	+ 0·4	303·9	305·5	19th	296·0	295·0	9th	299·9	*299·3*	−0·6	62	+ 31
930	Fernando Noronha	3 50	W32 25	106	1003·3	1015·4	+ 0·5	299·7	300·5	28th	295·8	294·1	17th	297·7	*297·6*	..	49	..
939	Loanda	8 49	E 13 13	59·3	..	1016·5	+ 1·3	294·8	296·6	27th	291·0	289·0	2nd	292·9	292·5	−0·3	1	− 1
940	Brazzaville	4 17	15 16	320	979·0	1015·8	+ 1·6	301·7	306·0	29th	290·3	286·7	6th	296·0	*295·3*	−0·2	0	− 2
943	Masaka	0 21	31 47	?1280	..	..	..	298·9	300·2	13, 18, 28	288·6	288·0	16, 25, 29	293·7	*291·3*	−0·8	15	− 2
944	Nairobi	1 14	36 44	1800	..	..	..	294·1	297·4	25th	282·4	276·3	25th	288·3	*287·6*	−0·4	0	− 1
944*a*	Zanzibar	6 10	39 11	21·9	1018·2	1020·6	+ 2·0	299·7	300·9	17th	295·2	294·6	10th	297·4	*296·8*	−0·5	15	+ 1
945	Lamu	2 16	40 50	3·1	..	..	..	304·1	304·7	3rd	294·1	294	3rd	299·1	*298·5*	−0·1	45	+ 31
947	Seychelles, Port Office	4 37	55 27	4·6	1013·7	1014·2	+ 1·3	299·9	300·8	..	297·4	296·6	..	298·7	*297·8*	+0·1	45	+ 31
957	Padang	0 56	100 22	6·7	..	1011·3	+ 0·2	303·1	304·9	29th	295·7	294·4	8th	299·4	298·9	..	172	..
958	Batavia	6 11	106 50	8·0	1010·6	1011·5	+ 1·0	303·5	306·1	25th	295·8	294·1	12th	299·7	299·4	+0·3	27	− 49
958*a*	Pontianak	0 1	109 20	2·6	..	1010·8	+ 0·7	304·9	306·7	25th	296·1	294·5	12th	300·5	299·7	..	68	+ 31
959	Passeroean	7 38	112 55	5·0	..	1012·7	+ 1·6	303·0	305·2	7th	293·7	290·8	13th	298·3	298·8	−0·1	0	− 1
960	Kajoemas	7 56	114 9	1060	..	..	..	296·9	298·9	14th	289·2	287·5	10th	293·1	292·1	..	53	− 49
962	Ambon	3 42	128 10	4·2	..	1012·4	+ 1·4	300·8	302·5	14th	295·3	292·5	10th	298·1	297·7	+0·2	90	+ 31
963	Manokwari	0 52	134 20	19·0	..	1009·4	+ 0·5	304·1	305·7	29th	295·5	294·0	5th	299·8	299·2	..	68	..
965	Daru	9 4	143 13	7·6	..	1010·1	− 2·2	300·6	..	..	..	..	..	..	‡*299·0*	+0·2	9	− 1
966	Port Moresby	9 29	147 9	39·0	..	1010·8	− 1·2	300·3	..	..	294·7	..	..	297·5	*297·1*	−1·1	0	− 1
967																		
968	Rendova	8 30	157 12	1·8	1011·1	1011·3	+ 0·9	..	..	..	..	..	..	..	..	..	511	+ 1
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1011·5	1011·7	+ 1·2	302·6	305·4	30th	297·5	295·8	29th	300·1	*299·9*	+0·2	60	+ 2
970	Ocean Island	0 52 S.	169 35 E.	20·0	1006·0	1008·3	− 0·1	303·1	304·7	22, 29, 31	296·8	295·8	8th, 16th	299·9	*299·2*	−1·1	363	+ 2

AUGUST—ZONE 10.

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1002	Apia, Samoa	13 48	171 46	2	..	1012·4	+ 0·2	301·9	303·4	15th	295·1	292·1	31st	298·5	298·4	+0·1	59	+ 1
1003	Alofi, Niue Island	19 2	169 55	36·6	..	..	..	300·6	303·6	12th	293·0	289·1	5th	296·8	*296·6*	..	195	..
1007	Makatea	15 47	148 14	47	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1021	Arequipa	16 22	71 33	2451	761·5	..	0·0	294·1	296·2	20th	281·9	279·6	1st	288·0	*286·8*	+0·9	0	− 1
1022	Puerto de Arica	18 28	70 20	5	..	..	..	291·8	293·0	29th	283·7	282·0	3rd	287·7	*290·1*	+1·0	0	− 1
1023																		
1024	Sucre, Bolivia	19 30	64 24	2848	729·3	..	..	291·3	295·3	26th	276·6	272·0	22nd	283·9	*284·5*	..	2	..
1025	Corumba	18 59	57 39	116	1000·8	1014·3	..	302·6	309·8	31st	290·4	280·2	6th	296·5	*295·6*	−0·3	0	− 1
1026	Cuyaba	15 36	56 6	165	994·6	1013·6	+ 0·8	303·0	308·2	31st	294·2	284·7	7th	298·6	*298·4*	−0·4	10	+ 1
1027	Bello Horizonte	19 55	43 55	857	922·2	1010·6	+ 0·9	295·8	300·5	29th	284·1	278·8	15th	289·9	*289·5*	−1·4	56	+ 31
1028	Caetite	14 3	42 37	900	918·4	1018·1	+ 0·5	298·0	303·5	17th	287·9	286·0	8th	293·0	*293·5*	−0·1	20	+ 1
1029	Ondina (Bahia)	13 0	38 31	46·6	1012·4	1017·9	0·0	298·7	300·9	26th	293·5	292·1	4th	296·1	*295·7*	−0·5	288	+ 31
1030	Aracaju	10 55	37 3	4·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1035	St. Helena	15 57	W 5 40	632	948·7	1021·1	+ 1·2	292·7	295·5	17th	284·6	283·0	12th	288·7	*288·4*	+1·3	15	− 8
1042	Gwelo	19 27	E 29 49	1417	865·9	..	+ 0·8	294·8	299·1	30th	277·4	272·4	20th	286·1	..	−2·3	2	− 1
1043	Salisbury, Rhodesia	17 49	31 3	1457	860·9	..	+ 0·1	293·6	296·3	21st, 22nd	279·2	275·9	20th	286·4	..	−2·2	2	− 1
1044	Zomba	15 23	35 18	‡945	913·5	1020·4	+ 2·7	295·8	299·7	14, 23, 30	284·1	281·3	1, 13, 19	289·9	*289·6*	−1·3	36	+ 2
1045	Tananarive	18 55	47 32	1400	869·4	..	+ 1·3	293·7	296·5	15th	281·7	277·7	31st	287·7	*286·4*	−0·6	3	− 1
1046	Sainte-Marie	17 0	49 51	15	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1055	Cocos Keeling Is.	12 5	96 53	4·6	1014·5	1015·0	+ 1·6	300·7	302·3	30th	296·3	294·4	14th, 22nd	298·5	..	−0·4	62	− 8
1056																		
1057	Christmas Island	10 25	105 43	5·5	1010·9	1011·5	+ 1·0	303·3	304·7	..	294·9	292·4	..	299·1	*298·5*	−0·3	37	− 1
1058																		
1061	Koepang	10 10	123 34	45·1	..	1013·2	+ 1·2	304·4	306·4	16th	293·9	291·8	13th	299·1	298·6	..	0	+ 1
1061*a*	Derby	17 18	123 40	16·2	1014·1	1016·1	+ 1·5	303·2	307·2	24th	290·9	287·7	21st	297·1	..	+0·5	9	+ 1
1062	Hall's Creek	18 13	127 46	374	974·0	1016·1	+ 0·6	303·1	305·8	19, 28, 31	286·9	279·7	13th	295·0	*294·3*	+1·3	7	− 1
1063	Darwin	12 28	130 51	29·6	1010·1	1013·5	+ 1·1	304·7	306·9	24th	294·9	293·6	12th	299·8	*298·6*	+0·4	1	− 1
1064	Daly Waters	16 16	133 23	211	989·4	1013·1	− 0·9	304·9	308·0	22, 30, 31	289·3	281·9	18th	297·1	*296·4*	+1·3	0	+ 1
1065	Mein	13 13	142 47	122	999·9	1013·7	+ 1·1	302·6	306·1	7th	290·4	287·6	26th	296·5	..	−0·4	5	− 1
1066	Georgetown, Queensland	18 22	143 32	302	982·4	1016·7	+ 0·9	302·4	304·7	22nd, 31st	286·6	278·0	9th	294·5	..	+0·2	0	− 1
1067	Samarai	10 37	150 40	15·2	..	1010·1	− 2·7	299·7	..	..	294·6	..	..	297·2	*297·0*	−0·6	123	+ 7
1072	Suva, Fiji	18 8 S.	178 26 E.	16·8	..	1015·1	− 0·7	298·5	301·0	11th	291·9	288·4	23rd	295·2	*295·0*	−1·0	236	+ 7

* For formulæ employed *see* pages 112 and 113. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 112 and 113.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

AUGUST—ZONE 11.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	6	..	..	..	..	..	..	..	..	..	..	..	..	342	+ 229
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1013·8	1017·1	− 0·6	288·7	292·6	27th	283·8	281·4	15th	286·3	*285·9*	+0·9	4	− 9
1122	Iquique	20 12	70 11	9	..	..	..	293·7	295·0	27th, 28th	288·0	287·0	5th	290·9	*289·3*	+0·2	0	0
1123	Catamarca	28 27	65 47	510	..	1014·8	− 1·0	297·8	311·5	13th	279·9	274·4	6th	288·9	288·8	+0·3	1	− 2
1124	Salta	24 46	65 28	1178	883·4	1014·4	− 0·5	295·3	306·5	27th	..	..	..	..	286·9	+0·4	0	− 3
1125	Goya	29 9	59 15	26	..	1018·0	+ 1·4	296·6	310·5	27th	282·4	274·0	16th	289·5	289·7	+1·5	1	− 34
1126	Asuncion	25 21	57 37	95	‡1007·6	‡1018·9	+ 1·3	299·0	309·0	28th, 29th	285·3	274·2	17th	292·1	291·8	−0·5	1	− 40
1127	Curityba	25 25	49 17	908	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1128	Rio de Janeiro	22 54	W43 10	61·4	1012·6	1019·8	+ 1·0	296·3	303·0	15th	289·2	286·0	8th	292·7	292·2	−1·4	46	− 2
1139	Windhoek	22 35	E 17 5	1680	..	..	..	293·8	296·5	24th, 31st	281·4	273·2	1st	287·6	*287·5*	−0·3	0	− 2
1140																		
1141	Kimberley	28 42	24 47	1202	889·8	..	+ 3·4	292·8	297·5	20th	277·8	272·7	15th	285·3	284·8	−0·4	8	+ 1
1142	Johannesburg	26 11	28 4	1806	829·3	..	+ 2·4	288·9	294·7	20th	278·2	273·7	2nd	283·6	*283·2*	−1·6	93	+ 84
1142*a*	Pretoria (Brooklyn)	25 46	28 13	1400	869·0	..	+ 2·8	291·7	296·3	22nd	278·7	274·8	3rd	285·2	*284·8*	−1·1	104	..
1143	Durban	29 52	31 3	15·2	1025·1	1026·9	+ 4·4	294·4	297·8	13th, 28th	286·3	283·3	9th	290·4	*290·0*	−0·3	200	+ 161
1144	Lorenzo Marques	25 58	32 36	59	..	1025·4	+ 4·3	296·5	302·4	13th	286·2	282·8	12th	291·3	291·0	−1·3	63	+ 47
1147	Mauritius	20 6	57 33	55·2	1015·0	1021·6	+ 1·1	296·0	297·0	8th, 17th	286·9	283·7	27th	291·5	291·4	−1·6	20	− 40
1159	Onslow	21 43	114 57	4·3	1015·9	1016·7	+ 0·5	299·1	302·9	25th	283·9	278·7	20th	291·5	..	−0·6	4	− 5
1160	Peak Hill	25 38	118 47	588	949·0	1016·3	− 1·1	293·0	299·7	25th	280·8	275·8	19th	286·9	..	−1·2	5	− 8
1161	Nullagine	21 53	120 5	386	972·9	1016·8	+ 0·1	298·5	303·9	26th	281·7	275·2	20th	290·1	..	−0·8	4	− 6
1162	Laverton	28 40	122 23	466	964·3	1019·0	− 0·5	292·2	299·1	25th	279·3	274·1	19th	285·8	*285·7*	−0·3	25	+ 9
1163	Alice Springs	23 38	133 37	587	951·0	1017·9	+ 0·1	294·8	303·3	19th	279·9	273·3	10th	287·3	*287·1*	−0·4	5	− 5
1164	William Creek	28 55	136 21	76·2	1010·5	1019·6	0·0	292·4	301·9	31st	280·3	276·3	26th	286·3	*286·0*	−0·3	23	+ 16
1164*a*	Boulia	22 55	139 38	146	1000·0	1016·9	+ 0·2	298·8	305·4	20th	282·3	276·6	7th	290·6	*290·4*	+0·4	2	− 5
1165	Thargomindah	27 58	143 43	123	1004·1	1018·7	..	293·7	303·1	20th	282·4	277·6	25th	288·1	*287·8*	..	42	+ 27
1166	Mitchell	26 32	147 52	336	980·8	1019·5	..	294·5	301·0	19th	279·9	272·4	25th, 26th	287·2	..	+1·5	39	+ 14
1167	Rockhampton	23 24	150 30	11·3	1017·8	1019·1	+ 0·2	298·6	302·2	30th	285·5	279·6	26th	292·1	..	+1·0	11	− 14
1168	Brisbane	27 28	153 2	38·1	1016·1	1020·5	+ 1·3	295·3	298·6	29th	283·6	280·5	13th	289·4	*288·7*	+0·6	31	− 23
1169	Quitchambo	21 52	166 3	38	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1170	Norfolk Island	28 58 S.	168 3 E.	15·2	1017·9	1019·7	+ 1·3	290·8	293·6	25th	286·1	282·4	13th, 31st	288·4	..	−0·5	99	− 51

Between Latitude 30° S. and 40° S.

AUGUST—ZONE 12.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1221	Juan Fernandez	33 37	78 50	10	..	..	..	287·8	290·8	26th	283·1	279·2	2nd	285·5	*286·2*	+0·6	82	− 13
1221*a*	Punta Tumbes	36 37	73 6	91	‡1005·9	‡1017·0	− 2·2	286·7	291·0	28th	279·9	275·4	16th	283·3	*283·1*	−0·2	36	− 28
1222	Punta Angeles, Valparaiso	33 1	71 38	41	1011·9	1016·9	− 1·7	289·4	295·5	27th	281·8	277·8	16th	285·6	*285·1*	−0·3	38	− 31
1222*a*	Santiago	33 27	70 42	520	956·3	1017·5	− 1·3	290·8	301·0	21st	278·5	272·6	1st	284·7	*283·7*	+1·8	22	− 36
1223	Cordoba	31 25	64 12	423	966·7	1016·6	− 0·2	294·3	308·6	..	277·8	267·6	..	286·1	285·7	+0·7	0	− 13
1224	Bahia Blanca	38 45	62 15	25	..	1017·2	+ 0·2	287·8	294·5	26th	277·6	270·0	16th	282·7	282·6	0·0	5	− 20
1225	Buenos Ayres (Chacarita)	34 36	58 22	25	..	1018·0	− 0·5	289·4	303·7	31st	278·1	270·7	17th	283·7	283·6	−0·6	24	− 37
1226	Montevideo (Prado)	34 52	56 12	24·9	1015·5	1018·5	0·0	288·4	300·9	31st	278·5	272·2	17th	283·4	283·4	−0·2	86	+ 8
1226*a*	Porto Alegre	30 2	W51 13	23·5	1017·1	1019·9	+ 0·9	292·7	305·1	31st	281·5	273·3	18th	287·1	286·6	−1·0	83	− 39
1239	Cape Town	33 56	E 18 29	12·2	..	1023·6	+ 3·6	294·8	305·9	24th	283·7	279·0	1st	289·3	*287·9*	+3·2	6	− 77
1240	Danger Point	34 37	19 18	27·7	1021·0	1024·3	..	291·2	305·2	25th	284·3	280·2	5th	287·8	..	..	17	..
1241	Riversdale	34 6	21 16	761	1013·2	..	..	295·6	305·2	20th	279·4	275·2	1st, 17th	287·5	..	..	6	..
1242	East London	33 1	27 54	9·8	1024·4	1025·6	+ 5·7	293·9	302·4	13th	283·6	280·2	19th	288·8	..	+0·1	44	− 14
1259	Perth (Observatory)	31 57	115 51	60·0	1010·9	1018·4	− 0·3	290·3	294·5	14th	281·9	276·5	27th	286·1	*286·1*	−0·2	154	+ 10
1260	Katanning	33 42	117 35	310	980·6	1017·7	− 0·3	288·7	292·7	24th	277·7	272·0	27th	283·2	..	−0·2	87	+ 24
1261	Coolgardie	30 57	121 10	423	968·6	1018·4	− 0·6	290·6	298·0	25th	279·3	274·9	8th	284·9	*284·8*	−0·1	19	− 7
1262	Eucla	31 45	128 58	4·6	1017·4	1017·6	− 0·4	291·3	301·3	26th	280·7	275·9	24th	286·0	*285·7*	−0·5	37	+ 13
1263	Streaky Bay	32 48	134 13	13·1	1018·0	1019·7	+ 0·3	290·3	296·3	18th	281·2	274·8	1st	285·7	*285·4*	0·0	61	+ 12
1264	Adelaide	34 56	138 35	42·7	1014·2	1019·3	+ 0·2	289·5	293·6	4th	280·8	275·6	2nd	285·2	*285·1*	0·0	67	+ 3
1265	Melbourne	37 49	144 58	35·1	1014·4	1018·6	+ 0·5	288·5	291·4	21st	280·4	274·2	1st	284·4	*284·0*	+0·8	69	+ 23
1266	Bourke	30 13	145 58	110	1008·0	1021·2	+ 2·0	296·4	300·2	29th	279·1	271·9	3rd	287·7	..	+1·0	34	+ 12
1267	Sydney	33 52	151 13	44·5	1013·9	1019·0	+ 0·8	291·6	297·4	29th	282·3	279·1	27th	287·0	*286·1*	+1·2	64	− 12
1268	Lord Howe Island	31 20	159 0	4·6	1019·4	1020·0	+ 1·7	292·0	294·6	30th	285·6	279·7	3rd	288·8	..	+0·2	139	+ 6
1271	Auckland	36 50	174 50	38·1	..	1016·9	..	287·2	290·2	27th	280·7	276·9	12th	283·9	..	−0·3	89	− 19
1272	Napier	39 32 S.	176 53 E.	21·3	..	1013·7	− 0·9	288·0	292·2	8th	278·2	270·8	6th	283·1	..	+0·1	60	− 19

Between Latitude 40° S. and 50° S.

AUGUST—ZONE 13.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1301	Chatham Island	43 52	170 42	104	..	..	..	..	..	..	..	..	..	..	..	..	79	− 10
1321	Isla Huafo	43 34	74 45	140	996·0	1013·1	− 1·7	..	..	..	..	..	..	..	..	..	80	− 68
1322	Punta Galera	40 1	73 44	40	1011·6	1016·5	− 0·7	283·7	287·2	28th	279·8	275·5	15th	281·7	*281·9*	−0·2	212	− 57
1323	Sarmiento	45 30	69 0	274	..	1012·7	..	282·3	292·7	21st	273·6	265·1	3rd	277·9	277·5	−0·7	17	+ 4
1324	Puerto Madryn	42 49	W64 58	14	..	1014·7	..	287·1	294·3	12th	275·4	266·4	5th	281·3	281·3	−0·1	6	− 2
1365	Launceston	41 27	E147 10	10·1	1014·9	1016·0	+ 1·5	287·8	291·6	13th	278·0	273·6	14th	282·9	*282·4*	+1·6	27	− 43
1366	Hobart	42 53	147 20	53·9	1009·0	1015·7	+ 2·2	286·5	291·0	27th	279·6	275·2	20th	283·1	*282·6*	+1·2	90	+ 43
1370	Invercargill	46 25	168 21	5·5	..	..	..	283·8	289·1	31st	275·7	268·3	10th	279·7	..	0·0	110	+ 24
1371	Dunedin	45 52	170 31	91·4	..	1011·2	− 1·5	283·4	289·7	22nd	276·6	270·8	9th	280·0	..	+0·6	79	+ 1
1371*a*	Christchurch	43 31	172 38	7·6	..	1010·9	− 3·4	284·9	291·5	4th	275·1	270·3	16th	280·0	..	+0·1	36	− 17
1372	Wellington	41 16 S.	174 46 E.	2·4	..	1013·5	− 0·5	285·7	290·1	3rd	279·3	272·2	11th	282·5	..	+0·3	89	− 25

* For formulæ employed *see* pages 113 and 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 113 and 114.

AUGUST—ZONE 14. Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		S.	W.															
1421	Islota de los Evangelistas	52 24	75 6	55	1001·2	1008·1	+ 5·1	278·0	280·2	11th	275·0	271·0	2nd, 3rd	276·5	*276·5*	−0·7	140	+ 7
1422	Puerto de Punta Arenas	53 10	70 54	4	1007·9	1008·4	+ 5·2	277·2	280·6	9th, 11th	272·1	266·7	2nd	274·7	*275·1*	−0·4	106	+ 1
1423	Punta Dungeness	52 24	68 26	5	1006·8	1007·4	+ 4·3	277·4	279·4	7th	273·3	268·2	16th	275·3	*275·3*	−0·7	19	+ 1
1424	Santa Cruz	50 11	68 21	12	..	1009·4	+ 1·0	277·0	279·8	19th	270·6	260·4	5th	273·8	273·8	−2·6	25	..
1424a	Año Nuevo	54 39	64 9	50	1000·5	1006·7	+ 5·1	276·1	278·4	8th	273·3	267·5	13th, 14th	274·7	274·8	−0·6	45	+ 1
1425	Stanley, Falkland Is.	51 41	57 51	4	..	..	..	..	..	..	..	..	..	..	..	..	66	+ 1
1426	Cape Pembroke	51 41	57 42	21	..	1006·6	+ 2·8	277·2	279·7	13th, 26th	272·8	268·6	16th	275·0	275·4	−0·6	..	..
1429	S. Georgia (Cumberland Bay)	54 14	36 33	4	999·1	999·6	− 0·5	271·8	275·7	14th	264·9	260·1	24th	268·3	*268·6*	−2·9	107	− 1
		S.	W.															

AUGUST—ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys	60 44	44 39	7	997·8	998·7	+ 3·4	263·1	273·1	3rd	250·9	239·8	16th	257·0	256·8	−6·5	28	− 1
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 115.

† Estimates not based on at least six equally-spaced observations each day are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—AUGUST 1918.

Date.	St. Helena. 1035. Direction.	St. Helena. 1035. ††Mean Velocity for the Day.	Fanning Island. 805. Direction.	Sierra Leone. 834. Direction and Force (Beaufort).	Entebbe. 844. Direction and Force (Beaufort).	Malden Island. 905. Direction and Force (Beaufort).	Tulagi. 969. Direction and Force (Beaufort).	Ocean Island. 970. Direction and Force (Beaufort).	Suva, Fiji. 1072. Direction and Force (Beaufort).
	9h.	m/s	17½h.	9h. 17h.	7h. 21h.	9h.	9h.	9h. 17h.	9h.
1	SE	4·3	SE	Calm 0 Calm 0	NW 1 W 1	ESE 4	SE 4	E 2 E 2	SSW 3
2	E	4·6	SE	Calm 0 W 1	W 2 N 1	E by S 2	SE 8	E 2 E 2	SE 4
3	ESE	5·8	SE	Calm 0 S 1	N 1 N 2	E 3	SE 10	E 3 E 2	SE 3
4	SE	6·1	SE	Calm 0 SE 1	N 2 S 1	E by S 2	SE 2	E 1 E 3	SE 4
5	SE	5·9	Calm	Calm 0 NE 1	N 1 N 2	ESE 3	SE 4	E 2 E 2	SE 4
6	SE	6·6	Calm	NE 4 Calm 0	N 1 W 1	ESE 3	SE 6	ESE 2 SE 2	SE 4
7	SE	9·5	Calm	Calm 0 SW 2	Calm 0 W 1	SE 3	Calm 0	SE 1 ESE 1	NE 4
8	SSE	9·4	SE	Calm 0 W 3	N 1 W 1	ESE 3	SE 2	E 3 E 2	Calm 0
9	SSE	6·1	Calm	SW 2 E 2	N 1 W 1	ESE 4	SE 4	ESE 2 ESE 2	Calm 0
10	SSE	5·8	Calm	SW 6 Calm 0	N 1 SW 2	ESE 4	SE 6	E 3 E 2	Calm 0
11	SSE	3·5	SE	Calm 0 SW 1	N 1 W 1	ESE 3	SE 2	E 2 E 1	SE 3
12	SSE	5·8	SE	Calm 0 SW 2	N 2 W 1	ESE 3	Calm 0	E 3 E 3	Calm 0
13	SE	6·7	SE	Calm 0 S 1	N 2 W 2	ESE 4	SE 6	ESE 1 W 3	NW 4
14	SSE	6·3	Calm	Calm 0 S 2	Calm 0 N 2	SE 3	SE 6	E 2 E 1	NW 4
15	SE	5·3	SE	Calm 0 E 2	N 1 S 2	ESE 4	SE 6	E 2 SE 1	Calm 0
16	SE	4·0	SE	Calm 0 S 1	N 1 S 2	ESE 4	SE 6	E 2 E 1	SE 2
17	SE	3·3	Calm	Calm 0 SW 2	N 1 S 2	ESE 2	SE 6	E 2 SE 1	SE 2
18	SE	4·6	SE	Calm 0 SW 1	N 2 W 1	E 3	SE 6	E 1 E 2	SE 2
19	SE	5·4	SE	SW 1 Calm 0	N 1 S 1	E by S 2	SE 4	E 2 Calm 0	S 1
20	SE	6·5	Calm	NE 1 S 2	N 1 N 1	ESE 3	SE 4	E 1 E 1	NE 1
21	SSE	6·5	SE	W 1 S 2	E 1 W 2	SE 3	SE 4	E 2 E 2	NE 1
22	SSE	6·4	SE	W 2 S 1	N 1 S 1	E 3	SE 4	E 2 ESE 2	NE 1
23	SE	5·5	NE	NE 2 SW 2	N 1 W 1	ESE 3	SE 6	W 1 Calm 0	Calm 0
24	SE	4·1	SE	E 1 SW 2	Calm 0 S 2	E by N 1	SE 4	N 2 N 2	NW 2
25	SSE	—	SE	Calm 0 W 2	S 1 Calm 0	E by S 2	SE 6	N 3 N 3	NW 2
26	SE	—	Calm	NE 3 E 1	W 1 SW 1	E 3	SE 2	ENE 3 NNW 6	SW 1
27	SE	—	Calm	Calm 0 W 2	W 1 N 1	ESE 4	SE 2	NW 6 WNW 6	SW 1
28	SSE	8·2	SE	Calm 0 E 1	N 1 W 1	ESE 4	SE 2	WNW 5 W 5	SE 1
29	ESE	6·2	NE	E 1 E 2	N 1 N 1	SE 3	SE 6	SW 6 SW 4	SW 1
30	ESE	4·3	NE	Calm 0 NE 1	N 1 N 1	ESE 2	Calm 0	NNE 3 ENE 2	SW 1
31	SSE	—	Calm	Calm 0 E 1	N 1 W 1	SE 2	N 2	E 3 E 1	W 1
						SE 3	Calm 0	NNE 2 ENE 2	SE 2
								E 2 E 2	SE 2
††Mean	..	5·8	..	0·8 1·3	1·1 1·3	2·9	4·0	2·4 2·2	
§Resultant	140° (92)	..	125° (55)	180° (17)	320° (48)	110° (92)	135° (81)	85° (60)	140° (22)
§Normal	141° (89)	8·1	‖123° (79)	259° (43)	250° (21)	93° (88)	135° (82)	105° (61)	103° (21)

†† Mean velocity of the South-East Trade Wind at 632 metres.
§ Direction and "constancy." For explanation *see* Introduction.
‖ Normal refers to ½ (9 + 21).

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—AUGUST 1918.

‡‡ *Kara Sea* was filled with ice but Amundsen's Expedition found only scattered ice from Jugor Strait to Malygin Strait. After the 26th open water was met with from White Island to Dickson Harbour, east of which the ice seemed favourable. The area covered was 250 × 10^3 sq. km. compared with a normal of 137 × 10^3 sq. km.

‡‡ *Barents Sea.*—The area covered was 440 × 10^3 sq. km. compared with a normal of 320 × 10^3 sq. km.

‡‡ *Spitsbergen.*—The ice to the north of Hope Island is reported to have been heavier and closer this year than during the preceding ten years. The west coast was completely free of ice throughout the month.

‡‡ *Iceland* was ice free, the normal being 1 day with ice visible.

‡‡ *Greenland Sea and Denmark Strait.*—Scattered polar ice lay along the coast of Greenland during first few days but from the 8th the sea was free of ice. A few icebergs drifted past Angmagsalik. The area covered was 501 × 10^3 sq. km. compared with a normal of 551 × 10^3 sq. km.

North Atlantic and Labrador.—A few icebergs between 200 and 300 ft. high were reported off the Newfoundland banks.

‡‡ *Davis Strait.*—By the middle of the month an irregular belt of close packed ice lay between Cape Farewell and Ivigtut with small masses of "Storis" further north. From Fiskernaes to Upernivik the coast was free of ice. Icebergs were observed all along the west coast and were numerous near Umanak Fjord.

‡‡ *Baffin Bay and Smith Sound.*—The ice broke up in Wolstenholme Sound about the middle of the month and had drifted out of North Star Bay by the 31st but there was ice between the two.

‡‡ *Isforholdene i de Arktiske Have*, 1918, 1919, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, SEPTEMBER 1918.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF SEPTEMBER 1918 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. SEPTEMBER—ZONE 1.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	W.															
105	Barrow	71 23	156 17	6·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
123	Inglefield Bay	77 20	67 30	?	1010·4	..	+ 3·4	..	278·8	1st	..	260·6	30th	..	*270·8*	..	5	..
125	Upernivik	72 47	W56 7	18·9	1009·1	1011·4	+ 3·0	..	‡284·2	2nd	272·7	269·5	25th	..	*275·1*	+1·3	33	+ 7
139	Spitsbergen (Green Harbour)	78 2	E 14 14	11·4	1003·7	1005·1	− 4·5	..	278·7	1st	271·0	265·3	25th	..	272·6	+0·3	18	− 1
140	Gjesvaer	71 6	25 22	6·5	997·0	997·8	−10·1	..	288·3	10th	278·2	273·7	22nd	..	*280·4*	+0·9	105	+ 36
142	Mehavn	71 1	27 47	6·4	997·9	998·7	−10·5	..	286·7	11th	278·0	273·4	23rd	..	*280·2*	+0·8	87	+ 4
143	Vardö	70 22	31 8	10·0	997·9	999·1	− 9·7	..	284·1	24th	278·3	274·2	23rd	..	*279·7*	+0·5	65	+ 3
147	Malye Karmakouly	72 23	52 43	14·8	1011·8	1013·6	+ 4·6	..	..	..	..	..	..	..	..	..	..	..
148	Waigatz	70 24	58 47	11·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
157	Maudhavn	77 33	105 40	2·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		N.	E.															

Between Latitude 70° N. and 60° N. SEPTEMBER—ZONE 2.

202	Gambel	63 51	171 35	6·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
203	Nome	64 30	165 24	6·7	..	1006·4	0·0	281·8	286·9	7th	275·5	267·4	27th	278·7	*278·5*	+0·5	49	− 2
204	Candle	65 55	161 57	2·4	..	..	..	282·1	288·6	1st, 2nd	273·4	267·4	20th	277·8	..	..	26	..
205	Tanana	65 10	152 6	67·1	..	1008·1	− 0·2	285·6	296·9	2nd	275·4	267·4	30th	280·5	*280·3*	+3·4	42	+ 7
206	Rampart	65 30	150 15	122	..	..	..	289·4	301·9	1st	274·8	?268·0	6th, 25th	282·1	..	..	..	..
207	Valdez	61 7	146 16	8·2	..	1014·5	+ 5·4	282·7	288·0	1st, 3rd	277·1	271·9	28th	279·9	*279·6*	−0·8	361	+149
208	Eagle	64 46	141 12	254	..	1010·1	+ 1·3	288·3	298·6	3rd	275·7	265·2	7th	282·0	..	+4·0	14	− 17
209	Dawson	64 4	139 20	328	972·3	1011·7	− 0·1	287·4	297·4	4th	274·1	268·6	7, 21, 28	280·8	..	+2·0	23	− 25
210	Carcross	60 11	134 34	662	..	..	..	287·7	296·9	5th	274·9	267·4	13th	281·3	..	+0·9	14	− 11
211	Fort Good Hope	66 25	128 53	65·2	1004·9	1012·9	..	288·0	297·4	2nd	274·1	263·6	29th	281·1	..	..	8	− 6
212	Fort Simpson	61 52	121 35	129	998·1	1013·8	..	290·8	296·9	4th, 18th	276·3	270·8	29th	283·6	..	+4·2	19	− 19
213	Hay River	60 51	115 20	161	995·9	1015·4	..	288·6	298·0	5th	277·4	270·8	14th	283·0	..	+2·8	7	..
225	Jacobshavn	69 13	51 2	12·6	1009·6	1011·2	+ 3·0	?277·3	‡286·5	2nd	272·1	265·9	22nd	274·7	*275·1*	+0·2	29	− 6
226	Godthaab	64 11	51 43	9·0	1007·6	1008·7	+ 2·9	280·2	285·0	2nd	274·0	269·6	26th	277·1	*276·7*	+0·5	..	..
227	Ivigtut	61 12	48 10	5·0	1009·6	1010·2	+ 5·2	280·7	286·8	1st	274·4	270·8	22nd	277·5	*277·3*	−0·8	132	− 23
229	Angmagsalik	65 37	37 33	31·7	1005·8	1009·7	+ 2·2	281·0	290·6	4th	272·0	266·8	26th	276·5	*276·3*	−0·4	13	−102
231	Stykkisholm	65 5	22 46	11·3	1006·0	1007·4	+ 1·6	280·8	287·3	4th	275·5	270·5	28th	278·1	*278·3*	−1·5	37	− 32
232	Vestmanno	63 26	20 15	7·7	1004·6	1005·5	− 0·8	282·3	287·1	11th	276·4	271·2	23rd	279·3	*279·1*	−2·1	48	− 97
233	Grimsey	66 33	17 58	22	..	..	..	278·4	284·4	4th	273·8	269·8	14th	276·1	*276·3*	−2·4	4	− 30
233a	Akureyri	65 40	18 4	6·8	1007·6	1008·4	+ 1·4	..	..	..	..	..	..	..	..	..	..	..
234	Berufjord	64 40	14 19	18·0	1003·2	1005·4	− 1·8	280·4	289·2	1st	274·0	268·1	29th	277·2	*277·5*	−2·4	78	− 47
235	Thorshavn	62 3	6 45	26·3	997·4	1000·6	− 9·7	281·9	286·7	6th	277·1	271·0	15th	279·5	*279·5*	−2·6	88	− 31
236	Lerwick	60 9	W 1 8	147	982·0	999·5	−11·9	282·4	284·7	2, 7, 8	277·8	273·0	14th, 16th	280·1	*280·6*	..	85	..
237	Bergen (Met. Obs.)	60 24	E 5 19	44·4	993·2	998·5	−13·0	285·5	292·5	8th	279·4	274·9	15th	282·5	*282·1*	−2·2	224	+ 30
238	Christiansund	63 7	7 45	17·8	995·5	997·6	−12·7	..	290·5	8th	279·8	275·6	17th	..	*282·5*	−1·1	176	+ 43
239	Trondhjem	63 26	10 25	39·5	993·5	998·2	−12·2	284·9	290·6	9th	278·1	272·0	17th	281·5	*281·2*	−1·5	118	+ 31
240	Bodö	67 17	14 24	22·4	994·8	997·5	−11·6	..	288·4	9th	279·3	273·4	18th	..	*281·7*	−0·1	77	− 38
241	Haparanda	65 50	24 9	9·2	997·7	998·8	−11·6	283·9	288·5	10th	277·2	270·0	18th	280·5	*280·6*	0·0	107	+ 52
242	Helsingfors	60 10	24 57	11·7	1001·8	1003·2	− 9·6	285·9	289·0	3rd	281·1	276·4	8th	283·5	*283·4*	−0·2	159	+ 97
242a	Kuopio	62 54	27 40	90·3	990·7	1001·7	−10·9	284·9	290·0	9th	278·7	273·4	18th	281·8	*281·8*	0·0	118	+ 57
243	Kola	68 53	33 1	6·7	999·1	999·9	− 9·8	283·4	288·5	10th	276·5	270·9	23rd	280·0	*279·9*	+0·8	57	+ 21
244	Petrozavodsk	61 47	34 23	38·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
245	Arkhangelsk	64 35	40 36	6·2	1003·8	1004·5	− 7·1	284·6	289·4	4th	278·2	274·6	24th	281·4	*280·7*	−0·3	99	+ 44
246	Mezen	65 50	44 16	12·6	1002·0	1003·5	− 6·8	283·3	288·4	3rd	277·0	272·7	24th	280·2	*279·9*	+1·0	75	+ 30
247	Oust-Tsylma	65 25	52 14	? 70	997·8	1006·4	− 5·5	282·7	290·4	5th	276·3	270·4	24th	279·5	*279·2*	−0·3	84	..
248	Tcherdyn	60 24	56 31	?177	988·4	1009·9	− 2·7	284·4	290·5	4th	277·1	269·7	12th	280·8	*280·4*	−0·6	90	+ 20
249	Berezov	63 56	65 4	39·9	1005·5	1010·4	− 1·2	283·2	291·5	6th 7th	274·0	269·6	21st	278·6	*279·2*	+0·5	82	+ 42
250	Obdorsk	66 31	66 35	23·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
251	Sourgout	61 15	73 24	? 40	1006·0	1010·9	− 1·5	..	293·1	7th	276·6	267·7	25th	..	*280·0*	−0·7	59	+ 11
252	Doudinka	69 23	86 4	20	1004·8	1007·2	− 2·2	..	287·5	10th	275·7	270·8	5th	..	*278·8*	..	39	..
253	Touroukhansk	65 47	87 57	45	1005·9	1011·4	− 0·9	..	290·5	11th	277·6	271·3	6th	..	*280·9*	+3·2	36	− 19
254	Iakoutsk	62 1	129 43	108	1001·5	1014·9	+ 0·7	..	290·0	13th	272·9	267·3	9th	..	*278·6*	−0·1	4	− 23
262	Verkholansk	67 33	133 23	100	999·8	1012·3	+ 3·1	..	288·3	12th	269·6	264·6	9th	..	*275·3*	+0·1	8	− 6
263	Markovo-sur-Anadyr	64 45	170 50	25·9	1009·5	1012·7	+ 0·7	..	..	..	270·1	260·0	22nd	..	‡*275·8*	−0·1	19	− 9
271	Novo-Mariinskii Post	64 45	177 33	23·5	1008·8	1011·7	+ 2·1	278·8	286·2	8th	272·2	263·6	21st	275·5	‡*275·8*	−0·1	12	− 23
272		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 105 and 106. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 105 and 106.

SEPTEMBER—ZONE 3.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
301	Atka	52 12	174 20	7·6	..	..	..	279·9	282·4	2nd	277·4	275·2	30th	278·7	..	..	107	..
302	St. Paul Island	57 15	170 10	6·1	..	1003·0	− 2·9	281·8	284·7	5th	276·9	273·6	18th	279·3	..	..	56	..
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	1003·0	− 4·6	282·7	286·3	13th	278·2	274·1	24th	280·4	..	−1·3	149	..
304					..	..	..	..	..	..	..	..	..	..	..	..	..	..
305	Dillingham	59 0	158 28	..	..	1007·1	+ 1·0	284·4	289·7	16th	279·8	274·1	27th	282·1	..	..	259	+6
306	Kodiak (Radio)	57 46	152 22	6·1	..													
309	Sitka	57 3	135 19	27·4	..	1018·3	+ 7·3	287·5	293·0	28th, 29th	280·3	275·8	21st	283·9	*283·8*	+0·1	227	..
310	Prince Rupert	54 18	130 18	51·8	1010·7	1017·0	+ 2·8	290·8	299·1	1st	280·8	278·6	15, 20, 21	285·8	*285·8*	+1·5	56	..
311	Barkerville	53 2	121 35	1274	875·4	1022·1	+ 5·9	290·2	293·6	16th, 17th	275·2	271·9	2nd	282·7	*282·7*	+2·1	4	..
312	Kamloops	50 42	120 29	385	975·5	1020·5	+ 2·3	299·1	302·4	10th, 11th	281·3	278·0	25th	290·2	*290·3*	+2·5	10	..
313	Calgary	51 2	114 2	1045	899·7	1019·2	+ 5·0	295·2	301·9	6th	278·6	271·9	30th	286·9	*285·9*	+3·6	25	..
314	Fort Chipewyan	58 42	111 10	218	991·2	1017·6	..	288·0	295·8	4th	275·8	268·0	21st, 30th	281·9	*282·4*	+1·0	11	..
315	Prince Albert	53 10	106 0	442	967·1	1019·8	+ 6·9	291·3	300·2	11th	275·8	268·6	9, 19, 30	283·6	*283·0*	+0·9	10	..
316	Qu'Appelle	50 30	103 47	645	943·0	1018·8	+ 4·6	291·3	301·9	7th	275·2	265·8	16th, 19th	283·3	*282·3*	−0·8	20	..
317	Minnedosa	50 15	99 50	515	958·5	1019·6	+ 5·9	290·2	300·2	7th	274·7	268·6	9th	282·4	*281·7*	−1·7	74	..
318	Berens River	52 18	97 23	216	..	..	..	290·2	297·4	1st	273·0	269·7	17th	281·6	..	−3·6	42	..
318*a*	Port Nelson	57 4	92 36	14·9	1013·9	1015·7	+ 3·8	284·1	290·8	1st, 11th	273·6	267·4	23rd	278·8	..	−0·9	..	..
319	Fort Hope	51 33	87 49	‡260	985·4	1018·3	..	283·6	292·4	8th	273·6	266·3	26th	278·6	*278·6*	−3·5	38	..
320	Moose Factory	51 14	80 30	9·1	1015·8	1016·9	+ 1·4	285·8	292·4	9th	274·1	269·1	10th	279·9	..	−4·1	46	..
321	Fort George	53 50	79 5	97·5	..	..	..	281·6	288·0	8th	274·8	269·1	28th	278·2	*277·9*	..	55	..
323	Mistassini Post	50 15	73 55	383	..	..	..	282·2	290·2	9th	275·8	267·4	10th	279·0	..	−1·3	132	..
324	Hebron	58 12	62 21	15·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
326	Natashquan	50 8	61 48	?	..	..	..	286·7	293·6	1st	278·0	271·3	27th	282·3	..	+0·7	129	+6
334	Cahirciveen (Valencia Obs.)	51 56	10 15	13·7	1005·1	1006·8	− 8·8	287·5	293·0	6th	283·0	279·1	28th	285·3	285·3	−1·4	183	+71
335	Aberdeen	57 10	2 6	26·8	997·7	1001·0	−12·5	285·3	287·4	2, 7, 9	279·2	274·1	15th	282·3	282·2	−2·4	132	+71
336	Greenwich	51 28	W 0 0	46·3	1002·4	1008·0	− 8·9	291·1	295·8	7th	282·2	276·3	29th	286·7	286·2	−0·8	114	+56
337	Uccle	50 48	E 4 22	100	997·8	1009·8	− 6·6	291·9	299·1	7th	282·6	275·1	29th	287·2	286·9	−0·7	114	+56
338	De Bilt	52 6	5 11	3·0	1007·7	1008·1	− 7·7	290·6	297·1	8th	282·9	277·7	29th	286·7	286·1	−0·9	189	+131
338*a*	Hamburg	53 33	9 58	26·0	1004·6	1007·7	− 8·4	289·6	296·8	16th	283·0	278·6	29th	286·3	285·8	−0·5	104	+47
339	Copenhagen	55 41	12 36	5·0	1004·3	1004·9	−10·4	287·6	291·5	17th	283·3	279·0	15th	285·5	*285·2*	−0·7	63	+6
340	Potsdam	52 23	13 4	84·9	1000·4	1010·6	− 6·2	292·2	301·7	17th	282·7	278·7	29th	287·5	286·5	+0·5	50	−7
340*a*	Upsala	59 51	17 38	24	997·7	1000·6	−11·8	287·1	290·5	3rd	279·1	273·0	30th	283·1	283·0	−0·5	123	+66
341	Warsaw	52 13	21 1	133	997·6	1013·4	− 3·5	292·3	300·1	19th	282·6	277·5	30th	287·5	287·5	+0·8	25	−32
342	Dorpat (Jurjev)	58 23	26 43	74·5	997·6	1006·6	− 7·6	288·0	292·5	3rd	280·1	275·7	23rd	284·1	283·5	−0·1	101	+14
343	Petrograd	59 56	30 16	4·8	1004·8	1005·4	− 7·6	286·5	290·6	4th	280·6	277·3	15th, 18th	283·6	*283·6*	−0·2	135	+66
344	Kiev	50 27	30 30	183	994·2	1016·0	− 1·2	293·4	299·6	20th	284·1	278·7	23rd	288·8	*288·1*	+1·4	40	−27
344*a*	Moscow	55 50	37 33	167	991·8	1012·0	− 4·0	287·7	292·6	3rd	280·0	273·7	25th	283·8	*283·5*	−0·4	86	+19
345	Saratov	51 32	46 3	59·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
346	Kazan	55 47	49 8	79·9	1003·1	1012·8	− 1·4	288·2	297·0	4th	280·7	275·4	10th	284·4	*284·1*	+0·1	73	+18
347	Orenburg	51 45	55 6	109	1002·3	1015·5	− 0·8	293·1	302·9	5th	280·8	270·9	21st	287·0	*286·5*	+0·7	37	−18
348	Perm	58 1	56 16	163	992·6	1012·4	− 1·0	285·3	294·3	5th	278·6	271·7	12th	282·0	*281·6*	−0·5	90	+35
349	Ekaterinburg	56 49	60 38	281	979·1	1012·9	− 1·8	285·5	293·6	8th	277·8	270·6	12th	281·6	*281·4*	−0·4	69	+14
350	Tobolsk	58 12	68 14	?108	1000·4	1013·7	− 0·8	286·1	297·2	9th	277·5	272·2	13th	281·8	*281·3*	−0·7	81	+26
351	Akmolinsk	51 12	71 23	?347	975·8	1017·1	− 0·7	..	298·6	10th, 15th	276·9	269·9	22nd	..	*284·4*	+0·2	4	−51
352	Omsk	54 58	73 23	90	..	..	..	..	..	..	..	..	..	..	..	..	..	..
353	Barnaoul	53 20	83 48	162	997·5	1017·1	− 0·4	290·8	299·2	11th	277·6	271·9	15th	284·2	*284·3*	+0·7	25	−30
354	Tomsk	56 30	84 58	122	1000·2	1015·2	− 1·1	..	295·4	11th	276·7	269·8	26th	..	*281·7*	−0·2	40	−15
355	Minousinsk	53 43	91 41	249	987·6	1017·4	− 1·0	..	299·0	2nd	277·4	271·1	28th	..	*284·4*	..	18	−37
356	Eniseisk	58 27	92 10	77·6	1006·2	1015·7	− 1·4	..	294·0	12th	275·9	269·9	27th	..	*281·3*	+0·1	32	−23
357	Irkutsk	52 16	104 19	467	961·8	1017·5	− 1·2	..	292·8	3rd	276·0	270·8	29th	..	*281·5*	−0·1	55	−1
358	Kirensk	57 47	108 7	263	..	..	..	..	..	..	..	..	..	..	..	..	..	..
359	Tchita	52 2	113 30	687	933·2	1013·8	− 1·4	..	293·9	5th	273·3	268·0	30th	..	*281·3*	0·0	38	−1
360	Nertchinskii Zavod	51 19	119 37	626	939·8	1013·4	− 1·3	..	295·4	6th	274·3	267·7	19th	..	*281·2*	−0·6	27	−12
361	Tygan Ourkan	54 5	124 46	379	966·3	1011·8	..	287·4	294·7	6th	272·5	267·7	29th	280·0	*280·0*	..	63	+24
362	Blagoveshchensk (Bureau Météor.)	50 16	127 30	142	992·7	1009·8	− 2·2	291·0	298·5	7th	279·5	274·0	11th	285·2	*284·7*	−0·3	77	+38
363	Paikanskii Sklad	50 11	130 7	?145	991·0	1008·4	..	290·7	296·6	1st	277·0	272·4	5th	283·8	*284·1*	..	132	+93
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	1008·8	1011·4	+ 0·6	..	298·9	2nd	279·7	272·9	23rd	..	*285·1*	+1·2	70	+19
366	Okhotsk	59 21	143 12	6·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
367																		
368	Petropavlovsk (Radio)	53 0	158 39	13·5	1011·8	1013·4	+ 3·8	287·0	291·1	15th	279·1	274·5	21st	283·1	*282·7*	..	32	−20
369																		
371	Attu Island	52 56 N.	173 13 E.	4·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 106 and 107. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.

SEPTEMBER—ZONE 4.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	70·1	1008·1	1016·5	0·0	293·6	301·3	28th	283·6	279·7	24th	288·6	287·7	+2·8	3	− 48
412	Portland, Oregon	45 32	122 41	46·6	1009·7	1014·9	− 1·6	298·6	305·2	16th	286·8	280·2	24th	292·7	*292·4*	+3·5	17	− 28
413	Macleod				..	..	..	294·3	303·0	13th	278·8	272·4	15th	286·5	*286·3*	+1·7	33	0
414	Helena	49 44	113 24	953	877·7	1019·3	+ 4·2	292·8	300·8	20th	279·8	275·8	16th	286·3	*285·8*	−0·5	45	+ 13
414*a*	Salt Lake City	46 34	112 4	1253	868·6	1014·5	+ 0·7	298·4	304·7	13th	286·1	280·8	25th	292·2	*292·3*	+0·9	53	+ 30
415	Cheyenne	40 46	111 54	1329	817·2	1018·3	+ 4·3	290·8	300·2	1st	278·7	273·0	15th	284·7	*284·9*	−2·1	65	+ 37
415*a*	North Platte	41 8	104 48	1856	920·7	1019·6	+ 4·5	295·9	305·2	13th	279·9	269·1	20th	287·9	*287·7*	−2·6	10	− 27
416	Bismarck	46 47	100 38	511	960·1	1021·0	+ 5·9	292·9	303·6	22nd	277·4	269·7	20th	285·2	*285·0*	−2·0	12	− 21
417	Winnipeg	49 53	97 7	232	991·5	1019·7	+ 4·9	289·1	297·4	27th	275·2	269·7	29th	282·2	*281·6*	−2·7	16	− 42
418	Duluth	46 47	92 6	345	977·1	1018·6	+ 3·2	288·3	296·3	27th	278·1	271·9	30th	283·2	*282·7*	−3·1	36	− 59
419	Port Arthur	48 27	89 12	196	993·6	1017·5	+ 1·6	287·4	294·7	27th	275·8	269·1	10th	281·6	*281·2*	−3·0	61	− 22
420	Chicago	41 53	87 37	251	988·6	1018·6	+ 1·2	291·9	300·8	1st	284·7	277·4	20th	288·3	*288·5*	−3·0	47	− 30
421	Toronto	43 40	79 24	116	1002·7	1016·8	− 1·1	291·9	300·2	3rd	281·3	276·0	22nd, 29th	286·6	285·8	−1·5	118	+ 37
422	New York (Central Park)	40 46	73 58	30·2	1013·5	1017·1	− 1·9	294·9	300·2	4th	286·4	280·8	27th	290·7	290·5	−1·9	74	− 16
423	St. John, N.B.	45 17	66 4	36·2	1012·0	1016·4	− 1·1	289·7	296·3	6th	282·4	275·2	11th	286·1	285·7	−0·2	178	+ 83
424	S.W. Point, Anticosti	49 24	63 33	9·1	1013·6	1014·7	+ 0·7	284·7	290·2	7th	280·2	274·1	13th	282·4	*282·5*	+0·1	149	+ 79
424*a*	Sable Island (Main Station)	43 57	60 6	7·6	1019·4	1020·3	+ 2·5	290·8	294·7	1, 5, 6	286·9	283·0	13th	288·8	*288·6*	+0·5	76	− 10
425	Port aux Basques	47 35	59 10	9·1	1016·1	1017·2	+ 1·7	287·4	293·6	7th	282·4	276·3	13th	284·9	*284·5*	+0·6	123	+ 11
426	St. John's, Newfoundland	47 34	52 42	38·1	1014·5	1019·1	+ 5·2	290·8	298·6	21st	281·3	274·7	1st	286·1	*285·7*	+1·1	70	− 22
435	Madrid	40 24	3 41	655	941·1	1015·5	− 1·3	301·4	306·5	15th	284·5	276·5	24th	292·9	292·4	+0·1	24	− 12
436	Nantes	47 15	W 1 34	36·5	1008·9	1013·2	− 4·0	293·1	300·6	15th	283·3	276·3	2nd	288·2	287·9	−0·9	103	+ 56
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1006·8	1012·8	− 4·7	293·3	299·5	5th	282·9	277·0	2nd, 30th	288·1	287·6	−0·1	84	+ 31
438	Marseilles	43 18	5 23	75	..	1013·7	− 2·5	298·5	302·8	19th	288·4	281·5	14th	293·4	*292·8*	+0·9	44	+ 20
438*a*	Zürich	47 23	8 33	493	958·3	1015·9	− 2·9	293·5	299·3	16th	282·9	277·9	22nd	288·2	287·1	−0·2	176	+ 71
439	Rome	41 54	12 27	45	1011·5	1016·8	+ 0·1	301·4	305·0	25th	290·9	286·9	16th	296·1	*295·9*	+2·1	22	− 49
440	Vienna	48 15	16 22	203	990·5	1014·6	− 3·0	292·6	295·7	23rd	284·2	280·7	15th, 22nd	288·4	288·1	+0·1	41	− 3
440*a*	Buda-Pesth	47 31	19 2	130	1000·3	1015·8	− 1·7	297·7	305·9	25th	284·3	279·5	30th	291·0	*290·1*	+1·2	58	+ 3
441	Sofia	42 42	23 20	550	953·6	1016·3	− 0·5	301·2	306·5	12th	285·8	283·1	15th, 19th	293·5	*293·3*	+4·3	7	− 48
442	Bucharest	44 25	26 5	82	1006·2	1015·9	− 1·6	301·7	308·3	28th	285·9	281·3	15th	293·8	293·3	+3·0	7	− 36
443	Odessa (University)	46 26	30 46	42·8	1011·0	1016·1	− 1·6	296·5	302·6	3rd	288·6	281·0	23rd	292·6	*292·2*	+2·3	39	+ 7
444	Kharkov (University)	50 0	36 14	140	999·1	1015·8	− 2·2	296·0	303·9	2nd	283·1	274·9	24th	289·6	*288·8*	+2·5	25	− 7
444*a*	Novorossiisk	44 44	37 49	37·1	1011·5	1015·8	− 0·6	299·5	303·5	1, 18, 19	288·5	282·4	24th	294·0	*294·0*	+2·1	14	− 41
445	Tiflis	41 43	44 48	404	969·8	1016·0	− 0·7	303·5	309·5	2nd	288·6	281·4	26th	296·0	*295·2*	+2·7	12	− 38
446	Astrakhan	46 21	48 2	−13·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
447	Fort Alexandrovsk	44 31	50 7	−18·0	1017·8	1015·7	− 2·0	298·5	307·2	2nd	290·4	282·5	18th	294·4	*294·3*	+2·5	3	− 12
448	Krasnovodsk	40 0	52 59	−17·2	1017·5	1015·5	− 0·6	303·0	309·1	2nd	293·3	289·9	26th	298·2	*298·2*	+1·6	0	− 7
449	Aralskoe More	46 47	61 42	56	1012·0	1018·7	+ 0·7	296·3	303·1	1st, 10th	?283·5	278·4	23rd	289·9	*290·4*	+1·0	1	..
450	Tachkent	41 20	69 18	478	959·2	1013·8	− 0·9	303·4	307·7	2nd	284·9	282·2	28th	294·2	*293·6*	+1·5	0	− 4
451	Narynskoe	41 26	76 2	?2015	?797·9	..	..	..	..	..	..	..	..	..	*?285·9*	+0·6	5	..
452	Vernyi	43 16	76 53	841	..	..	..	..	..	..	..	..	..	..	..	..	..	..
463	Mukden	41 48	123 23	43·8	1005·9	1011·1	− 2·6	295·5	303·2	2nd	284·4	278·9	29th	289·9	289·1	−0·4	169	+ 78
464	Joshin	40 40	129 11	4·0	1010·2	1010·7	− 2·9	296·1	302·1	5th	286·0	280·9	21st	291·1	290·8	+0·2	97	− 23
465	Yuki	42 20	130 24	65·6	1002·8	1010·6	..	294·0	299·4	5th	285·0	279·2	21st	289·5	289·6	..	105	..
466	Vladivostok	43 7	131 55	128	995·4	1010·6	− 3·7	292·5	297·8	1st	286·3	281·3	30th	289·4	289·1	−0·5	142	+ 30
466*a*	Ochiai	47 20	142 44	6·6	1010·5	1011·3	− 1·8	292·5	298·8	3rd	283·1	275·9	24th	287·8	288·0	+2·7	178	+ 64
466*b*	Nemuro	43 20	145 35	26·7	1009·7	1012·8	− 1·1	293·2	298·0	4th	287·4	283·8	23rd	290·3	290·0	+1·9	221	+ 81
	Syana	45 14 N.	147 53 E.	39·3	1009·1	1013·8	− 0·5	292·3	296·9	3rd	284·5	276·5	28th	288·4	288·6	+2·5	140	+ 54

Between Latitude 40° N. and 30° N.

SEPTEMBER—ZONE 5 (Western Half).

511	San Francisco	37 48	122 26	47·2	1008·6	1014·5	+ 0·3	292·8	299·7	11th	286·8	285·2	25th	289·8	*289·1*	+0·9	64	+ 54
512	San Luis Obispo	35 18	120 39	61·3	1006·9	1014·2	+ 0·2	296·8	305·2	10th	286·8	283·0	9th	291·8	*290·3*	+0·7	19	+ 12
513	San Diego	32 43	117 10	26·5	1009·5	1012·5	+ 0·2	297·7	307·4	11th	291·1	286·9	26th	294·4	*294·0*	+1·6	2	0
514	Modena	37 48	113 54	1670	835·4	1014·2	+ 1·3	298·2	302·4	20th	279·8	274·7	24th	289·0	*289·1*	+0·7	31	+ 5
515	Santa Fé	35 41	105 57	2138	791·2	1014·5	+ 1·4	295·2	300·8	14th	282·3	276·3	17th	288·8	*288·4*	−0·5	19	− 20
516	Denver	39 45	105 0	1613	841·5	1018·6	+ 4·4	293·7	303·0	14th	281·3	273·6	15th	287·5	*288·2*	−1·9	73	+ 47
517	Abilene	32 23	99 40	530	955·9	1016·2	+ 1·6	302·3	310·8	14th	288·4	278·6	28th	295·3	*294·6*	−1·8	19	− 49
518	Saint Louis	38 38	90 12	173	997·9	1018·3	+ 1·1	295·0	300·8	10th	286·1	278·6	20th	290·6	*290·5*	−3·6	129	+ 48
519	Mobile	30 41	88 2	17·4	1014·1	1015·9	+ 0·1	300·9	304·7	3rd	292·1	283·6	21st	296·5	*296·2*	−1·6	131	− 5
520	Nashville	36 10	86 47	166	999·1	1018·9	+ 1·1	297·4	303·6	3rd	285·7	278·0	21st	291·6	*291·7*	−3·2	95	+ 6
521	Charleston	32 47	79 56	14·6	1015·3	1016·9	− 0·6	300·0	306·3	18th	291·8	285·2	21st	295·9	*296·1*	−1·6	79	− 50
522	Washington	38 54	77 3	34·1	1013·7	1017·9	− 0·9	296·8	303·6	5th	285·1	278·6	23rd	290·9	*290·3*	−2·8	71	− 15
523	Bermuda	32 18	64 46	46·0	1012·7	1018·1	+ 0·9	300·8	302·4	30th	296·0	294·4	18th	298·4	*298·1*	−0·2	192	+ 67
524	Santa Cruz (Flores)	39 27	31 9	28	1022·4	1025·5	+ 3·2	296·1	300·0	22nd	290·0	287·0	21st	293·0	*292·9*	−1·0	57	− 45
531	Horta	38 32	28 38	65	1017·1	1024·3	+ 2·6	295·6	298·8	12th	290·2	287·6	21st	292·9	292·4	−2·0	24	− 52
532	Ponta Delgada	37 44	25 40	22	1021·3	1023·1	+ 2·1	294·9	297·3	12th	290·6	288·1	20th	292·8	292·6	−1·6	..	..
532*a*	Faja da Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	..	..
533	Madeira (Funchal)	32 37	16 54	25	1018·0	1020·9	+ 1·8	297·5	300·0	18th	292·2	290·7	22nd	294·8	*294·9*	−0·3	50	− 48
534																	7	− 22
535	Lisbon	38 43	9 9	95	1007·4	1018·7	+ 1·5	295·8	300·3	14th	289·7	285·8	24th	292·8	*292·3*	−0·8	151	+114
536	Gibraltar	36 6	5 21	16·2	1015·6	1017·5	0·0	299·9	304·7	20th	291·0	285·8	25th	295·4	*294·9*	−0·1	5	− 30
536*a*	Melilla	35 18 N.	2 59 W.	8	‡1017·2	‡1018·1	− 1·6	301·2	304·8	11th	289·4	284·6	30th	295·3	*297·4*	−2·6	1	− 10
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.

(17168)

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Palma	39 34	2 39	23	1015·9	1018·6	+ 1·0	302·2	307·6	18th	291·4	290·0	24th	296·8	..	+0·7	76	..
538	Algiers (Bouzaréah)	36 48	3 2	343	976·3	1015·1	− 1·3	301·6	313·1	18th	293·2	283·4	24th	297·4	296·9	+2·8	103	..
539	Tunis	36 48	10 10	21	1014·7	1017·3	+ 0·7	305·4	315·0	22nd	292·0	286·0	30th	298·7	*298·3*	+1·4	18	..
539*a*	Malta	35 54	14 31	56·4	..	1016·1	− 1·6	302·5	308·0	8th	295·5	289·1	29th	299·0	*298·3*	+1·6	20	..
540	Riposto	37 41	15 14	14·2	..	1018·4	+ 0·6	300·8	303·5	20th, 21st	293·5	291·6	29th	297·1	*296·2*	−0·2	10	..
541	Athens	37 58	23 43	107	1002·0	1014·4	− 0·4	303·6	308·2	26th	294·0	290·5	25th	298·8	298·4	+2·2	0	..
542	Alexandria	31 12	29 53	32·0	1009·6	1013·3	− 0·4	304·2	308·5	29th	296·0	292·9	17th	300·1	*299·1*	+1·2	0	..
543	Cairo (Helwan)	29 52	31 20	116	999·1	1012·5	+ 0·3	306·6	310·5	30th	293·2	291·2	16th	299·9	299·5	+1·0	0	..
544	Nicosia (P.W.D.)	35 9	33 22	159	993·0	1010·8	+ 0·1	306·1	310·8	14th	290·9	289·1	3rd	298·5	..	−0·1	40	..
544*a*	Beirut	33 54	35 28	33·7	..	1012·2	+ 1·0	302·1	303·6	16th	296·0	292·1	21st	299·1	*299·0*	−0·1	38	..
545	Baghdad	33 21	44 28	38·1	..	..	..	314·2	318·4	17th	297·2	291·7	30th	305·7	*303·1*	+1·7	0	..
546	Basrah	30 31	47 53	7·6	1006·7	1007·8	+ 0·6	313·8	316·4	14th	295·7	293·3	11th	304·8	..	+1·1	0	..
546*a*	Lenkoran	38 46	48 51	−19·3	..	..	..	..	..	..	..	..	..	..	..	..	..	..
547	Teheran	35 41	51 25	1220	..	..	..	304·2	308·3	6th	291·4	286·3	28th	297·8	*297·6*	−0·2	0	..
548	Meshed	36 16	59 35	946	..	..	..	..	..	..	..	..	..	..	..	..	..	..
549	Seistan	31 0	61 30	?	..	..	..	306·1	309·4	1st	289·7	284·6	24th	297·9	..	..	0	..
550	Quetta	30 11	67 3	1677	832·4	..	+ 0·4	302·2	305·3	1st, 2nd	282·1	277·5	30th	292·2	*292·0*	−0·5	3	..
551	Peshawar	34 2	71 37	339	968·4	1006·3	+ 0·1	308·9	311·6	10th	293·5	288·6	21st	301·2	*300·6*	−0·2	21	..
551*a*	Lahore	31 34	74 20	214	981·4	1005·3	+ 0·4	309·8	312·3	19th, 20th	296·2	292·6	28th	303·0	*302·4*	+0·1	11	..
552	Simla	31 7	77 8	2205	781·0	..	+ 0·3	292·0	293·5	6th	286·6	285·1	26th	289·3	*289·1*	0·0	47	..
552*a*	Leh	34 10	77 42	3503	667·5	..	+ 0·1	294·3	298·9	5th	278·6	274·1	29th	286·4	*285·2*	+0·2	2	..
559	Hankow	30 35	114 17	37·0	1009·0	1013·3	− 0·1	301·6	307·5	3rd	294·3	289·0	30th	297·9	*297·6*	+0·6	29	..
560	Tientsin	39 10	117 10	5·0	1011·8	1012·4	− 2·4	299·7	304·5	2nd	289·0	282·0	29th	294·3	*294·1*	+0·1	50	..
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1011·6	− 0·7	302·2	306·8	4th	291·6	284·4	30th	296·9	295·8	0·0	69	..
562	Jinsen (Chemulpo)	37 29	126 37	67·6	1003·6	1011·6	− 1·1	297·3	302·4	8th	289·2	285·1	30th	293·2	293·0	−0·3	34	..
562*a*	Nagasaki	32 44	129 52	133	995·2	1010·6	− 0·8	299·8	304·7	7th, 8th	292·1	286·7	30th	296·0	295·5	−0·9	115	..
563	Kioto	35 1	135 44	42·9	1006·1	1011·1	− 0·7	300·6	306·6	5th	289·9	283·5	26th	295·2	294·7	−0·4	284	..
564	Tokio	35 41	139 45	21·3	1008·8	1011·3	− 1·9	300·2	304·6	4th	291·8	286·3	26th	296·0	295·6	+0·7	202	..
565	Kanayama	37 53	140 46	24·6	1009·0	1011·9	− 1·7	297·7	303·1	4th	288·7	281·5	27th	293·2	292·9	+0·5	347	..
566	Miyako	39 38 N.	141 59 E.	30·4	1008·5	1012·0	− 1·4	297·8	304·7	5th	288·8	282·8	27th	293·3	292·6	+1·3	390	..

SEPTEMBER—ZONE 6.

Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
605	Honolulu	21 19	157 52	11·6	1013·8	1015·1	− 0·6	301·9	303·0	..	296·6	295·2	..	299·2	*299·1*	+0·7	10	..
614	La Paz	24 10	110 20	12	..	..	..	..	..	..	..	..	..	..	..	..	..	..
615	Chihuahua	28 38	106 4	1423	861·6	1012·8	..	299·1	304·5	15th	286·7	280·7	29th	..	..	..	..	..
616	Leon	21 7	101 41	1809	823·1	1010·6	+ 1·5	299·6	302·1	5th	286·0	281·3	30th	292·9	..	..	33	..
616*a*	Monterry	25 40	100 18	528	955·5	1014·2	..	303·5	309·4	5th	288·0	283·6	8th	292·8	*292·2*	−0·1	34	..
617	Tulancingo	20 5	98 22	2180	..	..	..	..	..	295·0	..	..	..	295·7	*297·7*	..	34	..
618	Galveston	29 18	94 50	16·5	1014·5	1016·6	+ 1·5	300·8	305·2	12th	295·2	287·4	28th	..	288·4	−0·9	35	..
618*a*	New Orleans	29 58	90 4	16·2	..	1015·6	+ 0·5	301·9	307·4	1st	294·0	285·8	21st	298·0	*297·8*	−1·5	52	..
619	Merida, Yuc.	20 58	89 38	22	1011·2	1013·6	..	304·2	306·2	7th	296·3	294·6	25th	300·2	*299·7*	..	138	..
620	Havana	23 8	82 21	24·3	..	1014·4	+ 0·8	303·5	305·4	28th	297·1	296·0	15th, 18th	298·2	295·8	3rd	301·1	*300·9*
620*a*	Key West	24 33	81 48	6·7	1013·3	1013·9	− 0·1	304·1	305·8	9th	298·2	295·8	3rd	301·1	*300·9*	−0·2	90	..
621	Nassau, Bahamas	25 5	77 21	3·7	..	1014·9	0·0	302·6	304·7	2nd, 21st	296·8	294·1	7th	299·7	*299·9*	−0·8	242	..
622	Watling Island	24 6	74 26	33·5	1011·5	1015·3	+ 0·8	..	304·1	15th, 27th	..	295·2	22nd	..	*301·7*	..	..	..
633	Izafia	28 19	16 30	2367	772·9	..	..	291·9	297·7	14th	283·3	278·0	30th	287·6	*286·8*	..	51	..
634	La Laguna	28 28	16 20	547	955·4	1017·7	+ 1·2	298·3	304·7	17th	289·5	287·5	2nd	293·9	*293·3*	+0·2	13	..
637	Insalah	27 1	W 2 21	?280	..	..	..	313·9	319·3	3rd, 4th	295·8	289·8	26th	304·9	*306·7*	−1·2	0	..
641	Siwa	29 12	E 25 29	−23	..	..	..	..	..	..	..	..	..	..	..	..	..	..
642																		
643	Aswan	24 2	32 53	99·6	998·3	1009·6	+ 1·1	312·0	315·5	18th	296·7	294·3	22nd	304·3	*303·8*	+0·4	..	..
644	Tor	28 14	33 37	1·9	1009·3	1009·5	+ 1·0	305·7	309·5	13th	294·7	291·4	14th	300·2	*299·8*	+0·3	..	..
647	Bushire	28 59	50 53	4·3	1006·2	1006·9	+ 1·0	307·0	308·4	25th	298·8	296·4	25th	302·9	*302·4*	−0·4	0	..
648	Jask	25 44	57 47	4·0	1006·9	1007·4	+ 1·2	307·8	311·3	20th	300·1	298·1	18th, 24th	303·9	*303·4*	+0·4	0	..
649	Robat	29 45	60 55	?	907·8	..	..	309·6	312·1	12th	287·7	284·2	28th	298·6	..	..	0	..
649*a*	Karachi	24 53	66 57	4·0	1008·1	1008·5	+ 1·9	301·8	302·7	14th	297·4	295·8	29th	299·6	*299·1*	−0·5	0	..
650	Jacobabad	28 17	68 29	56·7	999·4	1005·7	+ 1·3	312·8	315·9	20th	297·2	293·3	25th	305·0	*304·4*	−0·2	0	..
651	Jaipur	26 56	75 52	436	960·0	1008·2	+ 1·6	308·1	311·1	20th	295·4	292·7	26th	301·7	*301·0*	0·0	37	..
652	Nagpur	21 8	79 5	310	973·8	1008·3	+ 2·0	306·1	309·0	30th	296·2	292·8	29th	301·2	*300·5*	+0·7	54	..
653	Allahabad	25 25	81 51	94·1	995·9	1006·4	+ 1·2	307·5	310·7	30th	297·6	293·9	28th	302·6	*301·9*	+0·5	67	..
653*a*	Darjiling	27 3	88 18	2266	775·8	..	− 0·5	292·4	294·8	25th	286·7	285·1	22nd	289·6	*289·4*	+0·8	403	..
654	Calcutta	22 36	88 23	6·4	1004·8	1005·5	− 0·2	305·2	307·7	20th	298·9	296·8	27th	302·1	*301·9*	+0·8	236	..
655	Gauhati	26 8	91 41	59·7	1000·6	1007·3	+ 0·3	304·7	306·8	11th	297·9	296·8	19th	301·3	*300·4*	−0·2	216	..
655*m*	Cherrapunji	25 15	91 42	1314	866·9	..	+ 0·1	295·4	299·4	27th	290·7	287·0	17th	293·1	*292·5*	−0·6	1097	..
655*a*	Akyab	20 11	92 56	6·1	1006·7	1007·4	− 0·2	302·6	304·7	25th	297·1	295·7	18th	299·8	*299·7*	?− 1·0	1239	..
656	Mandalay	21 59	96 0	76·2	999·9	1008·4	+ 0·3	307·4	309·4	13th	298·7	297·4	29th	303·1	*302·3*	+0·7	65	..
656*a*	Tengyueh	24 59	98 35	1633	832·1	..	..	296·9	299·7	9, 10, 24	289·4	286·9	21st	293·2	*292·4*	..	277	..
657	Phu Lien	20 48	106 37	115	994·7	1007·9	+ 0·2	302·9	307·4	10th	297·0	293·8	30th	300·0	299·4	−0·4	232	..
658	Moncay	21 31	107 51	9	1007·2	1008·2	+ 0·8	303·6	307·9	1st	296·8	293·4	30th	300·2	*299·7*	−0·4	245	..
659	Hong Kong	22 18	114 10	33·2	..	1008·8	+ 0·4	301·6	305·1	11th	297·7	295·4	30th	299·7	299·4	−0·5	469	..
660	Amoy	24 27	118 4	ca.3	1009·6	1009·9	+ 0·2	302·6	305·2	9th	298·3	295·2	30th	300·5	*300·2*	−0·6	94	..
661	Taihoku, Formosa	25 2	121 31	9·3	1009·0	1010·0	+ 0·6	304·0	307·9	4th	294·1	288·8	15th	299·0	298·5	−0·7	53	..
661*a*	Santo Domingo	20 28	121 59	18·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
662	Naha	26 13	127 41	10·5	1004·5	1005·7	− 3·3	302·5	305·7	3rd, 30th	295·3	291·1	16th, 26th	298·9	298·9	−0·8	219	..
665	Titizima (Bonin Islands)	27 5 N.	142 11 E.	4·0	1010·9	1011·3	− 0·5	303·7	304·9	19th	298·3	295·9	9th	301·0	300·5	+0·7	74	..
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 109 and 110. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 110.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

SEPTEMBER—ZONE 7.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Colima	19 12	103 45	509	956·4	1011·0	..	303·9	306·5	21st	294·5	293·0	17th, 18th	299·2	*299·6*	..	133	..
716	Morelia	19 42	101 7	1923	809·9	1008·2	..	296·2	298·0	19th	285·9	283·6	13th, 30th	291·0	*290·2*	..	143	..
717	Mexico, Tacubaya	19 24	99 12	2309	776·0	1009·9	+ 1·0	296·3	300·0	20th	282·9	277·7	30th	289·6	287·9	−0·6	63	− 41
718	Salina Cruz	17 4	96 42	1563	..	..	..	..	..	..	..	..	..	..	..	..	..	..
718*a*		16 12	95 12	56	1005·6	1009·8	..	304·0	306·9	17th	297·3	294·6	27th	300·6	*300·1*	..	182	..
719	San Salvador	13 42	89 13	‡665	938·1	1012·6	+ 1·9	307·0	309·2	28th	291·0	288·8	16th	299·0	*296·1*	0·0	184	−100
720	Belize	17 29	88 12	5·2	1012·2	1012·8	+ 2·6	303·2	304·7	16th	296·7	293·6	11th	299·9	*299·5*	−1·0	301	+ 66
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1012·1	+ 0·1	304·1	306·1	4th	296·2	294·4	27th	300·1	*300·3*	+0·2	274	+ 83
722	Port au Prince	18 33	72 23	37·4	1009·1	1013·4	+ 0·5	305·5	307·3	29th	295·7	294·1	15th	300·6	*299·7*	−0·3	225	+ 24
723	Caracas	10 30	66 55	‡1010	901·2	..	+ 0·8	300·2	302·2	27th	288·1	284·7	16th	294·1	*293·1*	−0·4	33	− 60
724	Montserrat	16 41	62 9	39·6	1009·4	1014·0	+ 0·3	305·2	309·1	8th	295·7	293·0	14th	300·5	*299·9*	..	199	..
724*a*	Grenada (Richmond Hill)	12 5	61 46	155	994·2	1012·2	+ 0·4	302·7	305·2	4th	297·4	295·2	13th, 19th	300·1	*299·5*	+0·3	274	+ 69
725	Barbados	13 8	59 36	55·2	..	1013·4	+ 0·5	302·8	304·2	7th	295·7	293·3	20th	299·3	*299·3*	−0·1	262	+ 75
731	St. Vincent, C. Verde Is.	16 54	25 4	11	..	..	..	..	..	..	..	..	..	..	..	..	..	..
732	San Tiago, C. Verde Is.	14 54	23 31	?40	1010·1	1014·7	+ 1·4	301·6	303·0	10th	297·7	296·6	19th	299·7	*299·8*	−0·2	208	+100
733	Bathurst	13 24	16 36	1·5	1013·0	1013·2	+ 0·8	304·0	306·3	19th	..	..	..	..	*301·1*	−0·1	480	+224
734	M'Carthy Island	13 42	14 46	1·1	..	..	..	..	..	..	..	..	..	..	..	..	265	+ 78
735	Ségou	13 34	6 17	300	..	..	..	..	..	..	..	..	..	..	..	..	..	..
736	Timbuctoo	16 43	W 3 2	270	..	..	..	310·5	315·3	19th	297·0	290·0	23rd	303·7	*303·1*	−2·0	74	..
737	Sokoto	13 2	E 5 14	353	..	..	..	304·9	307·4	30th	295·1	290·2	1st	300·0	299·2	−0·3	142	+ 35
738	Kaduna Capital	10 32	7 25	637	945·3	1017·0	+ 2·2	301·8	304·7	8th, 30th	..	..	..	..	..	..	138	−154
739	Hadeija	12 40	10 5	?	..	..	..	308·6	312·4	30th	295·7	292·4	6th	302·1	*301·3*	+1·2	72	..
740	Maiduguri	11 47	13 11	361	..	..	..	308·2	310·8	21st	295·7	293·0	1st	301·9	*301·2*	+0·9	303	+190
741	El Fasher	13 32	25 18	730	..	..	..	310·2	312·3	14th	294·5	291·3	28th	302·3	..	..	12	..
743	El Obeid	13 11	30 14	569	946·0	1008·8	− 0·3	309·1	311·7	23rd	293·5	290·4	27th	301·3	*301·3*	+1·6	42	− 45
743*a*	Khartoum	15 37	32 33	390	964·9	1007·8	+ 0·3	313·1	316·0	14th	299·2	295·5	2nd	306·1	*305·7*	+0·7	0	− 18
744	Port Sadan	19 37	37 13	5·9	1007·9	1008·5	+ 1·2	310·6	313·9	13th	299·1	292·1	28th	304·9	*304·4*	+0·7	0	0
745	Berbera, Somaliland	10 22	45 2	9·2	1007·7	1008·7	+ 1·0	310·1	310·3	5th	299·2	292·4	21st	304·6	*304·9*	−1·1	0	− 1
746	Aden	12 45	45 3	28·7	1006·1	1009·3	+ 1·4	306·2	309·1	10th	300·1	298·2	27th, 29th	303·1	*302·7*	−1·1	0	− 4
751	Bombay	18 54	72 49	11·3	1009·9	1011·2	+ 1·7	303·1	304·2	17th	298·2	297·0	2nd	300·7	*300·1*	+0·7	79	−189
751*a*	Cochin	10 58	76 21	2·7	1012·3	1012·6	+ 1·2	302·9	304·4	22nd	296·9	295·6	28th	299·9	*299·3*	+0·4	89	−131
752	Kodaikanal	10 14	77 28	2343	771·4	..	+ 1·0	291·5	293·7	27th	283·6	282·5	22nd	287·6	*287·6*	+0·3	49	−122
752*a*	Bangalore	12 59	77 38	920	910·7	1011·3	+ 1·3	301·7	304·7	14th	291·7	290·0	1st	296·7	*296·7*	+0·6	129	− 48
753	Madras	13 4	80 14	6·7	1008·7	1009·4	+ 1·2	307·7	311·4	8th	298·6	295·6	23rd	303·1	*302·6*	+0·7	83	− 50
754	Vizagapatam	17 42	83 19	11·6	1005·5	1007·0	+ 1·0	305·3	307·4	9th	299·6	296·7	28th	302·4	*301·8*	+0·7	130	− 52
755	Port Blair	11 40	92 40	17·7	1008·4	1010·3	+ 1·0	302·6	304·3	12th	297·9	296·3	20th	300·2	*299·6*	+0·2	303	−163
756	Rangoon	16 46	95 48	5·5	1009·2	1009·8	+ 0·9	302·8	304·7	17th	297·0	295·4	14th	299·9	299·0	−0·3	442	+ 54
757	Saigon	10 47	106 42	11·2	1008·4	1009·6	+ 1·7	304·8	306·8	15th	296·7	295·2	14, 15, 20	300·7	*300·2*	+0·3	456	+102
758	Nhatrang	12 15	109 12	3·6	1007·4	1007·8	+ 1·1	306·0	308·4	17th	297·0	295·8	sev. dates	301·5	*300·9*	+0·3	34	−145
759	Tolinao	16 24	119 53	7·1	..	1006·1	0·0	304·0	306·5	27th	297·1	295·8	16th	300·5	*299·8*	0·0	390	−162
760	Vigan	17 34	120 23	12·2	..	1007·5	+ 0·6	304·1	307·4	28th	296·7	295·5	13th	300·4	299·9	0·0	496	− 23
761	Manila	14 35	120 59	14·2	..	1008·3	+ 0·7	303·6	305·3	25th	296·9	295·9	2nd	300·3	299·8	0·0	338	− 28
762	Ormoc	11 0	124 36	5·6	..	1008·2	+ 0·9	305·9	307·0	8th, 14th	296·9	295·0	28th	301·4	*300·6*	+1·0	198	− 74
765	Guam, Ladrone Is.	13 24 N.	144 38 E.	20·4	..	..	..	..	..	..	..	..	..	..	..	..	..	..

Between Latitude 10° N. and 0°.

SEPTEMBER—ZONE 8.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
805	Fanning Island	3 55	159 23	3·1	..	..	..	304·9	306·9	9, 10, 14	297·5	295·2	15th, 19th	301·2	*300·7*	+0·9	257	+180
821	Colon	9 23	79 23	11·0	..	1010·9	+ 0·6	302·1	303·6	19th	297·3	295·2	10th	299·7	*299·3*	+0·2	390	+ 68
822	Bogota	4 36	74 6	2645	..	..	..	..	..	..	..	..	..	..	..	..	35	− 19
822*a*	Merida, Venez	8 36	71 9	1641	‡841·5	..	..	298·6	301·0	2nd	288·2	286·6	19th	293·4	*292·1*	..	133	..
824	El Peru, Guayanavieja	7 19	61 49	220	985·5	1010·7	+ 0·3	..	..	..	..	..	..	..	‡*297·1*	0·0	19	− 96
825	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1014·0	+ 1·6	303·4	304·1	6, 9, 27	297·3	295·8	26th	300·3	*300·1*	−0·1	3	− 77
826	Paramaribo	5 49	55 9	3·7	..	..	..	305·7	307·3	10th	296·0	294·4	24th	300·9	*299·9*	+0·3	46	− 23
826*a*	Cayenne	4 56	52 21	6	..	..	..	306·2	307·2	2nd, 3rd	294·0	292·8	7th	300·1	*299·2*	−1·0	27	− 4
833	Conakry	9 31	13 43	16	..	..	..	..	..	..	..	..	..	..	..	..	..	..
834	Freetown, Sierra Leone	8 30	13 9	68·3	1006·7	1014·6	+ 2·0	302·9	305·2	29th	296·2	293·6	13th	299·6	*298·3*	+0·4	310	−417
835	Cape Coast Castle	5 5	1 13	?	..	..	..	302·9	..	..	..	..	..	..	..	..	5	− 22
836	Accra	5 33	W 0 12	25·7	..	..	..	301·5	..	..	..	..	..	..	..	..	..	..
837	Lagos	6 27	E 3 24	1·8	1013·7	1013·9	− 0·6	302·3	303·7	..	296·3	294·1	..	299·3	*298·9*	+0·7	94	− 36
838	Zungeru	9 48	6 10	130	..	..	..	303·9	306·3	7, 26, 30	294·5	291·9	16th, 17th	299·2	*298·6*	+0·3	212	− 50
839	Libreville	0 23	9 26	35	..	..	..	..	..	..	..	..	..	..	..	..	..	..
841	Yola	9 12	12 30	259	..	..	..	304·2	307·4	22nd	295·3	293·0	28th	299·7	*299·1*	+0·7	119	− 67
842	Wau	7 42	28 3	440	961·0	1010·5	+ 0·6	305·4	308·5	23rd	293·3	291·5	18th, 21st	299·3	*298·7*	+0·5	147	− 15
843	Malakal (Kodok)	9 35	31 37	394	966·6	1011·0	+ 0·7	306·3	309·1	13th, 23rd	293·8	291·6	26th	300·1	*298·6*	..	28	− 96
843*a*	Mongalla	5 11	31 47	439	961·2	1010·5	+ 0·8	306·5	310·0	10th	293·9	292·5	16th, 17th	300·2	*298·8*	+0·7	145	+ 21
844	Entebbe	0 5	32 29	1171	884·8	..	+ 0·7	299·8	301·3	27th	289·7	286·9	7th	294·7	*294·1*	+0·3	82	+ 4
851	Harrar	9 42	42 30	1856	..	..	..	..	..	..	..	..	..	..	..	..	..	..
852	Mimicoy	8 17	72 49	2·1	1013·1	1013·3	+ 1·5	..	..	..	..	..	..	..	..	..	..	..
853	Colombo Observatory	6 54	79 53	7·3	1010·3	1011·1	+ 1·5	303·4	304·2	17th, 18th	297·8	295·7	18th	300·6	*300·0*	+0·2	27	−129
854	Nuwara Eliya	6 59	80 47	1886	..	..	..	293·7	296·3	30th	283·8	280·5	11th	288·8	*288·1*

SEPTEMBER—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Absolute Max.	Date.	Mean Min. B.	Absolute Min.	Date.	Mean of A and B.	†24 hr. Mean. *	Diff. from Normal.	Precipitation. Total.	Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	4 1	155 1	7·9	..	..	..	305·7	306·9	29th, 30th	297·6	295·8	9th, 10th	301·6	*300·6*	+0·4	20	
924	Manaos	3 8	60 1	43·8	..	..	..	307·0	308·6	27th	297·2	295·8	30th	302·1	*300·8*	−0·4	14	
926	Taperinha	2 30	54 20	20·0	1009·8	1012·1	..	304·8	305·8	5th, 7th	295·2	293·6	10th, 26th	300·0	*298·5*	..	38	
927	Turyassu	1 43	45 26	15·1	1010·9	1012·6	+ 0·5	305·8	307·0	14th	295·7	293·3	23rd	300·7	*299·3*	−0·2	9	
928	Barra do Corda	5 30	45 16	81·0	1001·7	1010·9	+ 0·2	306·9	308·7	25th	293·7	290·7	3rd	300·3	*299·4*	−0·4	32	
929	Quixeramobim	5 16	39 15	207	990·2	1013·5	+ 0·5	305·3	307·0	25th	296·4	294·4	13th	300·8	*300·4*	−0·3	12	
930	Fernando Noronha	3 50	W32 25	105	1002·6	1014·8	+ 0·4	300·5	301·4	17th	296·5	295·1	1st, 28th	298·5	*298·2*	..	7	
939	Loanda	8 49	E 13 13	59·3	..	1015·1	+ 1·0	296·6	298·8	30th	293·2	292·0	5th	294·9	294·6	+0·3	1	
940	Brazzaville	4 17	15 16	320	977·5	1013·9	+ 1·1	305·2	308·7	6th	292·6	289·5	6th	298·9	*298·1*	+0·7	22	
943	Masaka	0 21	31 47	?1280	..	..	..	299·8	301·3	12, 14, 22	288·8	288·6	sev. dates	294·3	*292·1*	−0·3	41	
944	Nairobi	1 14	36 44	1800	..	..	..	296·9	300·2	12th, 13th	282·4	277·4	12th	289·7	*289·2*	−0·5	36	
944a	Zanzibar	6 10	39 11	21·9	1017·5	1020·0	+ 1·8	300·7	302·4	23rd	295·6	294·6	1st	298·1	*297·1*	−0·4	19	
945	Lamu	2 16	40 50	3·1	..	..	..	304	304·1	1st	294·1	294	2nd	299·1	*298·5*	−0·2	1	
947	Seychelles, Port Office	4 37	55 27	4·6	1013·3	1013·9	+ 0·7	300·6	301·4	..	298·2	296·8	..	299·4	*298·7*	+0·3	361	
957	Padang	0 56	100 22	6·7	..	1012·3	+ 1·0	302·5	304·2	4th	296·2	295·0	8th	299·3	298·8	..	582	
958	Batavia	6 11	106 50	8·0	1011·1	1012·0	+ 1·3	304·5	307·4	24th	295·9	294·6	5th	300·2	300·0	+0·6	11	
958a	Pontianak	0 1	109 20	2·6	..	1011·2	+ 0·9	304·5	306·8	1st	296·3	294·9	12th	300·4	*299·6*	..	97	
959	Passeroean	7 38	112 55	5·0	..	1013·1	+ 1·9	304·0	305·3	20th	293·1	290·8	28th	298·5	299·2	−0·4	0	
960	Kajoemas	7 56	114 9	1060	..	..	..	299·3	303·0	27th	289·9	288·2	16th	294·6	293·5	..	0	
962	Ambon	3 42	128 10	4·2	..	1012·9	+ 1·9	301·4	303·6	25th	295·5	293·1	1st	298·5	298·2	+0·3	31	
963	Manokwari	0 52	134 20	19·0	..	1010·1	+ 0·8	304·3	306·5	26th	295·9	294·0	12th	300·1	299·5	..	82	
965	Daru	9 4	143 13	7·6	..	1010·8	− 1·3	301·2	..	..	..	..	..	..	‡*300·4*	+0·7	37	
966	Port Moresby	9 29	147 9	39·0	..	1011·6	− 0·3	300·4	..	..	294·9	..	..	297·6	*297·2*	−1·3	19	
967																		
968	Rendova	8 30	157 12	1·8	1011·9	1012·0	+ 2·0	..	..	..	..	..	..	..	..	..	373	
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1011·9	1012·1	+ 1·9	303·1	305·7	18th	297·5	296·3	8th	300·3	*300·1*	+0·2	309	
970	Ocean Island	0 52 S.	169 35 E.	20·0	1007·2	1009·5	+ 1·0	304·2	305·2	sev. dates	296·8	295·2	4th, 19th	300·5	*299·8*	−0·4	353	

SEPTEMBER—ZONE 10.

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Absolute Max.	Date.	Mean Min. B.	Absolute Min.	Date.	Mean of A and B.	†24 hr. Mean. *	Diff. from Normal.	Precipitation. Total.	Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1002	Apia, Samoa	13 48	171 46	2	..	1013·7	+ 1·6	302·8	304·9	12th	295·1	292·2	7th	299·0	298·6	0·0	110	
1003	Alofi, Niue Island	19 2	169 55	36·6	..	..	..	302·0	304·7	11, 24, 25	292·6	290·2	6, 9, 10	297·3	*297·1*	..	118	
1007	Makatea	15 47	148 14	47	..	..	..	..	..	..	..	..	..	..	..	..	..	
1021	Arequipa	16 22	71 33	2451	761·7	..	+ 0·3	293·7	295·8	7th	281·7	279·1	6th, 15th	287·7	*286·7*	0·0	1	
1022	Puerto de Arica	18 28	70 20	5	..	..	..	292·7	293·2	10th	286·1	284·4	2nd	289·4	*290·8*	+1·3	0	
1023																		
1024	Sucre, Bolivia	19 30	64 24	2848	728·8	..	..	291·8	296·6	21st	279·6	275·6	17th	285·7	*286·1*	..	71	
1025	Corumba	18 59	57 39	116	998·6	1012·0	..	304·9	311·5	22nd	292·7	284·2	17th	298·8	*297·6*	−0·3	27	
1026	Cuyaba	15 36	56 6	165	992·4	1011·0	+ 0·7	305·9	309·2	10th, 11th	297·4	288·7	17th	301·6	*300·8*	+0·3	58	
1027	Bello Horizonte	19 55	43 55	857	920·3	1016·7	+ 0·8	298·3	306·2	29th	286·6	280·5	12th	292·5	*292·4*	−0·7	70	
1028	Caetite	14 3	42 37	900	916·9	1015·6	+ 0·9	301·0	305·7	4th	289·1	284·7	12th	295·0	*295·8*	+0·8	5	
1029	Ondina (Bahia)	13 0	38 31	46·6	1011·2	1016·7	+ 0·7	300·0	301·9	4th	294·0	290·4	12th	297·0	*296·6*	0·0	96	
1030	Aracaju	10 55	37 3	4·0	..	..	..	..	..	..	..	..	..	..	..	..	..	
1035	St. Helena	15 57	W 5 40	632	947·9	1020·3	+ 0·9	292·5	298·1	9th	284·8	283·6	27th	288·7	*288·4*	+1·3	49	
1042	Gwelo	19 27	E 29 49	1417	863·5	..	0·0	..	..	..	283·2	278·6	11th, 14th	..	‡*293·5*	..	0	
1043	Salisbury, Rhodesia	17 49	31 3	1457	859·5	..	+ 0·2	299·5	306·3	30th	284·4	280·8	1st, 3rd	291·9	..	+0·1	0	
1044	Zomba	15 23	35 18	‡945	910·7	1015·8	+ 0·4	302·0	305·8	29th, 30th	287·4	284·1	4th	294·7	*294·8*	+1·0	0	
1045	Tananarive	18 55	47 32	1400	869·0	..	+ 1·7	296·7	301·4	29th	282·9	279·0	1st	289·8	*288·6*	−0·5	3	
1046	Sainte-Marie	17 0	49 51	15	..	..	..	..	..	..	..	..	..	..	..	..	..	
1055	Cocos Keeling Is.	12 5	96 53	4·6	1015·5	1016·1	+ 2·4	301·3	303·0	16th	296·7	294·7	7th	299·0	..	−0·2	50	
1056																		
1057	Christmas Island	10 25	105 43	5·5	1011·7	1012·3	+ 1·7	304·3	305·2	..	295·8	293·6	..	300·1	*299·6*	+0·4	3	
1058																		
1061	Koepang	10 10	123 34	45·1	..	1013·9	+ 2·0	305·6	308·6	26th	293·3	289·6	19th	299·5	299·0	..	0	
1061a	Derby	17 18	123 40	16·2	1013·7	1015·6	+ 2·6	306·3	312·0	18th	292·8	289·0	15th	299·6	..	+0·2	0	
1062	Hall's Creek	18 13	127 46	374	974·4	1015·7	+ 2·4	307·6	310·4	21st	285·7	281·8	8th	296·7	*296·2*	−0·9	0	
1063	Darwin	12 28	130 51	29·6	1010·5	1013·9	+ 2·4	305·7	307·2	11th	295·2	291·8	8th	300·4	*299·3*	−0·8	8	
1064	Daly Waters	16 16	133 23	211	990·1	1013·6	+ 1·8	307·2	310·2	18th, 19th	288·7	283·6	8th	297·9	*297·4*	−1·7	0	
1065	Mein	13 13	142 47	122	1000·3	1014·1	+ 2·4	304·0	307·3	24th	291·5	285·5	17th	297·8	..	−0·8	0	
1066	Georgetown, Queensland	18 22	143 32	302	982·7	1016·8	+ 2·7	304·5	307·4	27th	288·6	283·0	16th	296·6	..	−0·7	0	
1067	Samarai	10 37	150 40	15·2	..	1010·8	− 1·2	300·1	..	..	295·3	..	..	297·7	*297·5*	−0·9	186	
1072	Suva, Fiji	18 8 S.	178 26 E.	16·8	..	1017·3	+ 1·7	299·9	303·1	10th	292·8	288·6	3rd	296·3	*296·1*	−0·3	96	

* For formulæ employed *see* pages 112 and 113. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 112 and 113.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

SEPTEMBER—ZONE 11.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Absolute Max.	Date.	Mean Min. B.	Absolute Min.	Date.	Mean of A and B.	†24 hr. Mean. *	Diff. from Normal.	Precipitation. Total.	Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	6	..	..	..	..	..	..	..	..	..	..	..	..	187	+ 76
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1015·1	1018·4	+ 1·0	290·0	293·4	29th	284·0	281·1	14th	287·0	*286·4*	+0·8	7	+ 4
1123	Iquique	20 12	70 11	9	..	..	..	294·3	295·2	9th	288·8	288·0	19th	291·5	*290·0*	+0·5	0	0
1124	Calamarca	24 46	65 28	1178	882·3	1012·3	− 0·6	296·7	307·2	21st	..	..	..	..	..	−0·5	0	− 6
1125	Salta	28 27	65 47	510	..	1012·4	0·0	298·3	309·9	20th	282·3	270·8	16th	290·3	290·4	−1·9	4	− 3
1126	Goya	29 9	59 15	26	..	1015·1	− 0·7	297·4	309·8	20th	284·6	276·0	16th	291·0	290·4	0·0	81	+ 19
1127	Asuncion	25 21	57 37	95	‡1004·1	‡1015·3	− 1·3	302·0	310·9	21, 22, 23	288·4	276·5	17th	295·2	294·4	+0·4	31	− 37
1128	Curityba	25 25	49 17	908	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1139	Rio de Janeiro	22 54	W43 10	61·4	1010·5	1017·7	+ 1·1	296·5	305·5	24th	290·4	288·3	10th	293·5	293·3	−0·8	131	+ 64
1140	Windhoek	22 35	E 17 5	1680	..	..	..	300·4	303·4	22nd	287·1	278·5	29th	293·7	*293·6*	+1·9	0	− 1
1141	Kimberley	28 42	24 47	1202	884·2	..	− 0·5	297·2	304·2	22nd	282·5	276·9	7th	289·9	289·5	+0·3	57	+ 37
1142a	Johannesburg	26 11	28 4	1806	825·9	..	+ 0·5	294·9	299·1	11th	283·6	275·8	7th	289·2	*289·1*	+1·0	24	0
1143	Pretoria (Brooklyn)	25 46	28 13	1400	865·1	..	+ 0·2	298·6	303·6	28th	284·4	279·8	30th	291·5	*291·4*	+1·5	18	..
1144	Durban	29 52	31 3	15·2	1018·0	1019·8	− 1·8	296·0	299·3	22nd	289·5	286·6	13th	292·8	*292·3*	+1·0	92	+ 9
1147	Lorenzo Marques	25 58	32 36	59	..	1018·5	− 0·3	300·8	308·1	23rd	290·7	287·9	8th	295·7	294·9	+1·0	6	− 23
1159	Mauritius	20 6	57 33	55·2	1015·5	1022·1	+ 1·9	297·5	298·6	26, 27, 29	289·2	286·1	10th	293·3	293·1	−0·8	23	− 10
1160	Onslow	21 43	114 57	4·3	1015·0	1015·9	+ 1·4	302·4	309·6	22nd	286·9	282·3	9th	294·7	..	+0·2	0	− 1
	Peak Hill	25 38	118 47	588	948·5	1013·9	− 0·7	301·4	307·7	30th	286·7	282·7	1st, 8th	294·1	..	+2·3	0	− 6
1161	Nullagine	21 53	120 5	386	972·2	1014·8	+ 0·7	306·6	311·3	23rd	287·6	282·2	1st	297·1	..	+2·2	0	0
1162	Laverton	28 40	122 23	466	963·8	1017·0	+ 0·4	300·5	308·0	30th	284·8	278·0	1st	292·7	*292·7*	+2·9	0	− 8
1163	Alice Springs	23 38	133 37	587	952·0	1017·5	+ 2·5	301·4	308·6	20th, 28th	282·5	273·8	5th	292·0	*292·1*	+0·4	0	− 10
1164	William Creek	28 55	136 21	76·2	1011·9	1020·8	+ 3·9	299·0	309·7	19th	283·4	276·3	6th	291·2	*291·0*	+1·2	0	− 11
1165	Boulia	22 55	139 38	146	1000·4	1017·1	+ 2·9	303·1	308·9	29th	282·5	278·4	8th	293·8	*293·9*	−0·5	0	− 9
1166	Thargomindah	27 58	143 43	123	1005·6	1019·8	..	299·1	309·3	29th	282·9	276·9	5th	291·0	*290·8*	..	0	− 11
	Mitchell	26 32	147 52	336	981·5	1019·8	..	298·8	306·6	29th	278·2	271·9	7th	288·5	..	−0·9	0	− 34
1167	Rockhampton	23 24	150 30	11·3	1018·4	1019·6	+ 2·6	299·9	304·1	23rd	287·3	279·9	7th	293·6	..	−0·6	10	− 24
1168	Brisbane	27 28	153 2	38·1	1016·9	1021·3	+ 3·9	296·6	300·8	28th	284·9	280·7	2nd	290·8	*290·1*	−0·6	50	− 3
1169	Quitchambo	21 52	160 3	38	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1170	Norfolk Island	28 58 S.	168 3 E.	15·2	1019·9	1021·8	+ 2·1	291·9	294·4	5th	286·9	283·0	1st	289·4	..	−0·5	103	+ 6

Between Latitude 30° S. and 40° S.

SEPTEMBER—ZONE 12.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Absolute Max.	Date.	Mean Min. B.	Absolute Min.	Date.	Mean of A and B.	†24 hr. Mean. *	Diff. from Normal.	Precipitation. Total.	Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1221	Juan Fernandez	33 37	78 50	10	..	..	..	286·9	289·6	5th	282·2	279·9	11th	284·5	*285·2*	−0·8	76	+ 6
1221a	Punta Tumbes	36 37	73 6	91	‡1008·4	‡1019·6	+ 0·4	286·4	288·6	28th	280·0	277·0	15th	283·2	*283·0*	−0·7	45	− 5
1222	Punta Angeles, Valparaiso	33 1	71 38	41	1014·0	1019·0	+ 0·8	289·2	293·7	25th, 29th	281·7	277·7	2nd	285·5	*285·0*	−1·2	113	+ 82
1223	Santiago	33 27	70 42	520	957·9	1019·5	+ 1·7	288·3	294·8	21st	278·2	272·8	15th	283·3	*282·9*	−1·4	168	+138
1224	Cordoba	31 25	64 12	423	965·4	1015·0	− 0·8	294·6	308·7	..	279·3	271·0	..	286·9	286·8	−1·0	16	− 7
	Bahia Blanca	38 45	62 15	25	..	1017·2	− 0·1	287·7	295·0	23rd	278·3	272·0	30th	283·0	283·0	−2·2	62	+ 21
1225	Buenos Ayres (Chacarita)	34 36	58 22	25	..	1016·0	− 2·4	289·3	300·0	20th	280·4	273·6	16th	284·9	284·9	−1·5	110	+ 31
1226	Montevideo (Prado)	34 52	56 12	24·9	1012·8	1015·8	− 1·8	289·1	301·5	20th	281·1	274·7	26th	285·1	285·3	−0·6	201	+116
1226a	Porto Alegre	30 2	W51 13	23·5	1013·9	1016·7	− 0·7	294·1	305·2	1st	284·7	276·6	18th	289·4	289·2	−0·3	104	− 12
1239	Cape Town	33 56	E 18 29	12·2	..	1018·5	− 0·6	292·7	301·3	2nd	283·8	276·6	23rd	288·3	*287·0*	+1·2	47	− 14
1240	Danger Point	34 37	19 18	27·7	1015·0	1018·3	..	290·9	298·6	2nd	284·7	280·2	14th	287·8	..	..	79	..
1241	Riversdale	34 6	21 16	761	1006·4	..	..	295·3	306·9	8th	281·2	274·7	25th	288·2	..	..	77	..
1242	East London	33 1	27 54	9·8	1017·1	1018·3	− 1·3	294·4	299·1	4th	286·3	281·9	25th	290·3	..	+0·7	47	− 29
1259	Perth (Observatory)	31 57	115 51	60·0	1011·0	1018·4	+ 0·5	293·3	305·7	30th	284·3	277·8	2nd	288·8	*288·7*	+1·2	97	+ 12
1260	Katanning	33 42	117 35	310	981·1	1017·9	+ 1·1	292·4	300·3	30th	279·7	273·8	2nd	286·1	..	+1·1	44	− 6
1261	Coolgardie	30 57	121 10	423	969·1	1017·8	+ 1·0	297·4	306·9	30th	282·3	276·1	4th	289·8	*289·8*	+2·0	3	− 12
1262	Eucla	31 45	128 58	4·6	1018·8	1019·4	+ 2·7	295·9	308·0	12th	282·9	276·9	4th	289·4	*289·0*	+1·3	5	− 14
1263	Streaky Bay	32 48	134 13	13·1	1020·1	1021·7	+ 4·1	295·2	303·0	18th, 19th	281·6	275·8	5th	288·4	*288·0*	+1·1	10	− 25
1264	Adelaide	34 56	138 35	42·7	1017·1	1022·2	+ 4·9	293·2	303·4	26th	281·4	276·4	22nd	287·3	*287·1*	+0·4	17	− 33
1265	Melbourne	37 49	144 58	35·1	1017·0	1021·2	+ 5·4	291·3	300·4	26th	280·6	274·2	7th	285·9	*285·7*	+0·6	87	+ 26
1266	Bourke	30 13	145 58	110	1010·3	1023·3	+ 6·2	300·2	308·0	28th	279·8	275·2	5th, 17th	290·0	..	−0·1	5	− 15
1267	Sydney	33 52	151 13	44·5	1015·9	1021·1	+ 4·9	293·1	303·6	27th	283·2	279·7	6th	288·1	*287·7*	0·0	75	+ 1
1268	Lord Howe Island	31 20	159 0	4·6	1021·1	1021·7	+ 3·6	292·7	296·8	28th	286·4	281·4	24th	289·6	..	−0·6	95	− 39
1271	Auckland	36 50	174 50	38·1	..	1019·6	..	287·9	290·2	17th	281·4	278·0	11th	284·7	..	−0·9	65	− 27
1272	Napier	39 32 S.	176 53 E.	21·3	..	1018·1	+ 4·0	289·3	294·1	17th	279·7	274·1	20th	284·5	..	−0·6	30	− 17

Between Latitude 40° S. and 50° S.

SEPTEMBER—ZONE 13.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Absolute Max.	Date.	Mean Min. B.	Absolute Min.	Date.	Mean of A and B.	†24 hr. Mean. *	Diff. from Normal.	Precipitation. Total.	Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1301	Chatham Island	43 52	170 42	104	..	..	..	..	..	..	..	..	..	..	..	..	108	+ 41
1321	Isla Huafo	43 34	74 45	140	1000·2	1017·4	0·0	..	..	..	278·4	275·8	24th	..	*280·4*	..	61	− 12
1322	Punta Galera	40 1	73 44	40	1014·4	1019·3	+ 1·1	284·1	285·5	21st	279·7	276·8	1st	281·9	*282·2*	−0·5	233	+ 56
1323	Sarmiento	45 30	69 0	274	..	1015·4	..	286·6	290·6	13th	274·1	267·8	29th	280·3	279·9	−0·6	0	− 8
1324	Puerto Madryn	42 49	W64 58	14	..	1017·1	..	287·8	294·4	18th	276·1	270·4	2nd	281·9	281·8	−1·8	11	+ 1
1365	Launceston	41 27	E147 10	10·1	1016·7	1017·9	+ 6·3	289·7	295·3	26th	278·7	272·7	7th	284·2	*283·4*	+1·0	15	− 60
1366	Hobart	42 53	147 20	53·9	1010·2	1016·8	+ 6·2	288·3	298·5	26th	279·8	274·7	7th	284·1	*283·3*	+0·7	66	+ 12
1370	Invercargill	46 25	168 21	5·5	..	..	..	286·2	292·4	28th	277·0	271·9	19th	281·6	..	−0·2	104	+ 26
1371	Dunedin	45 52	170 31	91·4	..	1015·1	+ 3·8	285·4	293·0	28th	277·9	273·0	17, 18, 23	281·6	..	+0·3	70	+ 1
1371a	Christchurch	43 31	172 38	7·6	..	1015·6	+ 3·0	288·2	295·9	29th	276·8	272·7	9th	282·5	..	+0·1	24	− 22
1372	Wellington	41 16 S.	174 46 E.	2·4	..	1018·1	+ 5·3	286·6	290·1	27th	280·8	275·3	11th	283·7	..	−0·2	89	− 15

* For formulæ employed *see* pages 113 and 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 113 and 114.

SEPTEMBER—ZONE 14.

Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A. and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	1003·0	1009·8	+ 5·9	279·6	281·3	7th, 29th	276·2	273·2	26th	277·9	277·7	−0·3	136	..
1422	Puerto de Punta Arenas	53 10	70 54	4	1010·4	1010·9	+ 6·8	280·6	285·0	21st	273·6	268·1	1st	277·1	277·4	−0·2	37	..
1423	Punta Dungeness	52 24	68 26	5	1009·1	1009·7	+ 5·9	278·8	282·8	19th	274·7	273·8	1st	276·7	276·4	−1·2	4	..
1424	Año Nuevo	54 39	64 9	50	..	1011·5	+ 4·4	282·5	289·1	21st	273·8	269·0	29th	278·1	277·9	−1·3	5	..
					1001·8	1008·0	+ 5·7	277·7	280·1	23rd, 29th	274·8	272·5	6th	276·2	276·2	−0·3	23	..
1425	Stanley, Falkland Is.	51 41	57 51	4	..	..	..	..	..	..	..	..	..	..	..	..	52	..
1426	Cape Pembroke	51 41	57 42	21	..	1011·5	+ 5·5	278·7	281·9	12th	273·5	270·2	1st	276·1	276·5	−0·6	..	..
1429	S. Georgia (Cumberland Bay)	54 14 S.	36 33 W.	4	1005·5	1006·0	+ 4·2	276·9	281·1	12th	270·0	262·7	18th	273·5	273·7	0·0	72	..

SEPTEMBER—ZONE 15.

Between Latitude 60° S. and 70° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A. and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		S.	W.															
1527	South Orkneys	60 44	44 39	7	1002·6	1003·5	+ 9·9	271·2	277·1	30th	263·3	242·5	17th	267·3	268·0	+1·9	11	..
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 115.

† Estimates not based on at least six equally-spaced observations each day are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—SEPTEMBER 1918.

Date.	St. Helena. 1035. Direction.	St. Helena. 1035. ††Mean Velocity for the Day.	Fanning Island. 805. Direction.	Sierra Leone. 834. Direction and Force (Beaufort).	Entebbe. 844. Direction and Force (Beaufort).	Malden Island. 905. Direction and Force (Beaufort).	Tulagi. 969. Direction and Force (Beaufort).	Ocean Island. 970. Direction and Force (Beaufort).	Suva, Fiji. 1072. Direction and Force (Beaufort).
	9h.	m/s	17½h.	9h. 17h.	7h. 21h.	9h.	9h.	9h. 21h.	9h.
1	S	—	SE	Calm 0 Calm 0	W 1 S 1	SE 3	SE 2	E 1 E 1	Calm
2	SSE	—	Calm	NE 1 E 1	S 1 W 1	ESE 2	SE 2	S 1 S 2	SE
3	SSE	—	SE	E 3 NE 2	E 2 W 3	ESE 2	SE 2	NNW 3 N 1	S
4	SSE	—	Calm	Calm 0 Calm 0	N 1 W 2	ESE 3	SE 2	SSE 2 S 1	SE
5	SSE	—	Calm	W 1 W 2	N 1 W 2	ESE 2	SE 2	SW 2 SSW 3	SE
6	SSE	—	Calm	S 1 SW 1	N 2 E 2	ESE 2	Calm 0	ENE 2 Calm 0	SE
7	SSE	—	Calm	S 1 SE 2	N 1 W 2	ESE 1	Calm 0	ENE 2 E 1	SE
8	SSE	—	SE	NE 2 NE 1	N 1 N 2	NE 1	Calm 0	NE 1 E 1	SE
9	SSE	—	SE	SE 1 SW 1	N 2 W 1	ESE 2	SE 2	E 1 WSW 5	SE
10	SSE	—	SE	SW 1 SW 1	Calm 0 Calm 0	ESE 2	Calm 0	W 4 WSW 1	SE
11	SSE	—	SE	NE 2 NW 2	W 1 W 2	ESE 2	SE 4	WSW 3 S 2	NW
12	SE	—	Calm	NW 2 SW 1	N 1 W 2	ESE 3	SE 4	SE 3 ESE 2	SE
13	SSE	—	SE	SW 1 SW 1	N 2 W 2	ESE 2	SE 4	ENE 2 E 2	SE
14	SSE	—	SE	SW 1 SW 2	N 1 N 2	ESE 3	SE 4	ENE 3 E 1	SE
15	SSE	11·2	SE	E 3 E 4	W 2 N 2	ESE 3	SE 4	NNE 2 N 1	S
16	SSE	12·0	SE	NE 2 E 4	N 2 W 1	ESE 4	SE 4	W 1 Calm 0	S
17	SE	12·2	SE	E 3 NE 2	N 1 W 2	ESE 3	SE 4	ENE 3 E 1	SE
18	SE	7·6	Calm	Calm 0 Calm 0	N 1 W 3	ESE 3	SE 2	WNW 1 SW 2	E
19	SE	7·3	SE	NE 1 E 3	N 2 W 1	ESE 3	SE 2	W 3 SW 4	SE
20	SSE	5·6	SE	E 3 E 4	N 1 W 2	SE 5	Calm 0	W 5 W 5	Calm
21	SSE	7·5	SE	Calm 0 SW 1	N 1 N 2	ESE 4	SE 4	WSW 5 W 4	SE
22	SSE	16·3	SE	W 1 NW 1	W 1 N 2	ESE 4	SE 8	NW 5 W 4	SE
23	SSE	15·9	SE	S 1 SW 2	W 1 E 3	ESE 4	SE 6	SW 2 WSW 2	SE
24	SE	11·0	SE	S 1 SE 1	N 2 N 2	ESE 4	SE 6	NW 2 W 1	SE
25	SE	5·7	SE	NE 2 NE 3	W 2 W 1	ESE 4	SE 2	WNW 2 W 1	SE
26	SE	7·3	SE	SE 1 SE 2	E 2 W 1	ESE 4	SE 4	S 2 S 1	S
27	SSE	9·6	SE	SW 1 SW 1	W 2 W 2	ESE 4	SE 4	SE 2 ESE 2	S
28	SE	8·2	SE	NE 2 E 4	E 2 W 3	ESE 3	Calm 0	N 2 N 1	SE
29	SE	6·5	SE	NW 2 NW 1	W 2 W 2	ESE 3	SE 4	N 2 N 3	SE
30	SE	7·4	SE	S 1 SW 2	W 2 W 2	SE 3	SE 6	E 3 E 3	SE
††Mean	..	(9·5)	..	1·4 1·7	1·4 1·8	2·9	3·1	2·4 1·9	
§Resultant	150° (92)	..	135° (76)	145° (14)	310° (52)	115° (90)	135° (79)	210° (4)	140° (8
§Normal	143° (91)	8·8	‖124° (80)	260° (33)	255° (29)	80° (88)	133° (81)	102° (48)	102° (6

†† Mean velocity of the South-East Trade Wind at 632 metres.
§ Direction and "constancy." For explanation see Introduction.
‖ Normal refers to ½(9+21).

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—SEPTEMBER 1918.

‡‡ *Spitsbergen.*—A belt of ice 10 miles broad extended along the west coast almost to Bell Sound. From there to Horn Sound there was scattered ice, but close drift ice blocked the entrance to Bell Sound. At South Cape the ice was 40 miles off-shore and a few icebergs were observed 60 miles to the south-west.

‡‡ *Iceland* was free of ice, which is normal in this month.

‡‡ *Denmark Strait.*—Scattered ice lay off Angmagsalik. Small strips of ice were met with occasionally between here and Cape Farewell.

‡‡ *Davis Strait.*—The sea was free of ice from Cape Farewell to Disko Bay. North of Upernivik firm ice reached far out to sea and from Cape Shackleton there was unbroken impenetrable polar ice. Icebergs were met with along the whole west Greenland coast and were unusually numerous off Cape Farewell.

‡‡ *Baffin Bay and Smith Sound.*—In Inglefield Bay the ice broke up on the 1st but reformed a few days later. In North Star Bay the new ice formed on the 11th and Wolstenholme Sound was covered with ice by the 16th. A belt of ice lay round Cape York.

‡‡ *Beaufort Sea.*—The edge of the ice trended from a little east of Wrangel Island towards the east and followed the Alaskan coast, at a distance of 15 miles, to the east of Point Barrow. Further east from here the ice was closely packed.

‡‡ *Isforholdene i de Arktiske Have*, 1918, 1919, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, OCTOBER 1918

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF OCTOBER 1918 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N.

OCTOBER—ZONE 1.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A. and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
105	Barrow	71 23	156 17	6·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
123	Inglefield Bay	77 20	67 30	?	1008·2	..	− 0·6	..	270·3	2nd	..	251·1	19th	..	*260·6*	..	7	..
124	Upernivik	72 47	W56 7	18·9	1006·3	1008·7	− 0·1	271·1	277·8	1st	265·9	258·8	31st	268·5	*267·8*	−1·2	26	0
125	Spitsbergen (GreenHarbour)	78 2	E 14 14	11·4	1008·7	1010·2	0·0	..	272·9	29th	263·6	256·7	27th	..	265·6	−1·2	18	− 11
139	Gjesvaer	71 6	25 22	6·5	1007·8	1008·6	+ 1·8	..	280·2	12th	273·7	266·5	25th	..	*275·6*	+0·6	171	+ 93
140	Mehavn	71 1	27 47	6·4	1007·9	1008·7	+ 0·5	..	281·3	12th	273·4	265·6	25th	..	*275·5*	+1·1	84	+ 3
141	Vardö	70 22	31 8	10·0	1008·3	1009·5	+ 2·3	..	280·9	5th	273·6	266·9	26th	..	*275·3*	+0·8	38	− 26
142	Malye Karmakouly	72 23	52 43	14·8	1018·8	1020·7	+12·5	..	..	..	..	..	..	..	..	..	..	..
143	Waigatz	70 24	58 47	11·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
147	Maudhavn	77 33 N.	105 40 E.	2·5	1013·5	1013·9	+ 7·3	..	270·0	7th	255·9	242·8	28th	..	*257·6*	..	..	..

Between Latitude 70° N. and 60° N.

OCTOBER—ZONE 2.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A. and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		N.	W.															
202	Gambel	63 51	171 35	6·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
203	Nome	64 30	165 24	6·7	..	1006·8	+ 1·4	272·4	279·7	1st	266·0	257·4	31st	269·2	*269·1*	−2·6	9	− 28
204	Candle	65 55	161 57	2·4	..	..	..	267·1	275·8	1st	261·9	247·4	23rd, 24th	264·5	..	..	..	..
205	Tanana	65 10	152 6	67·1	..	1005·4	− 0·9	270·0	284·7	9th	264·3	251·9	24th	267·1	*266·9*	−0·6	14	− 9
206	Rampart	65 30	150 15	122	..	..	..	268·1	288·6	8th	260·5	248·6	29th	264·3	..	..	29	+ 5
207	Valdez	61 7	146 16	8·2	..	1000·3	− 5·0	278·2	285·2	4th	273·1	266·3	25th	275·7	*275·4*	−0·1	112	− 46
208	Eagle	64 46	141 12	254	..	1007·1	− 1·9	270·7	284·7	2nd	262·6	241·9	25th	266·6	..	−2·6	22	+ 4
209	Dawson	64 4	139 20	328	966·0	1006·8	− 3·3	271·9	290·2	3rd	264·7	245·8	25th	268·3	..	−1·4	34	0
210	Carcross	60 11	134 34	662	..	..	..	276·9	286·3	13th	268·5	246·9	25th	272·7	..	−1·7	23	− 1
211	Fort Good Hope	66 25	128 53	65·2	1005·4	1014·0	..	268·6	283·6	7th	260·2	240·2	26th	264·4	..	..	23	− 3
212	Fort Simpson	61 52	121 35	129	993·4	1009·8	..	273·0	288·6	5th	265·8	251·9	29th, 30th	269·4	..	+0·4	21	− 2
213	Hay River	60 51	115 20	161	990·5	1010·7	..	275·8	291·9	5th	267·4	251·9	30th	271·6	..	−1·4	34	..
225	Jacobshavn	69 13	51 2	12·6	1005·8	1007·4	− 1·3	269·7	276·9	22nd	265·1	255·7	31st	267·4	*267·4*	−1·9	28	+ 4
226	Godthaab	64 11	51 43	9·0	1003·0	1004·2	− 1·0	273·7	278·2	2nd	269·3	261·4	31st	271·5	*271·7*	−0·4	..	..
227	Ivigtut	61 12	48 10	5·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
229	Angmagsalik	65 37	37 33	31·7	999·6	1003·5	− 2·7	274·8	279·2	18th	269·4	261·5	31st	272·1	*271·9*	−0·1	92	− 72
231	Stykkisholm	65 5	22 46	11·3	999·4	1000·8	− 4·6	278·5	285·0	18th	274·0	269·7	12th, 14th	276·3	*276·4*	+0·2	84	+ 7
232	Vestmanno	63 26	20 15	7·7	997·6	998·5	− 6·9	280·4	283·6	1st	276·0	272·2	12th	278·2	*278·0*	−0·4	145	− 4
233	Grimsey	66 33	17 58	22	997·4	1000·1	− 6·6	277·7	282·5	21st	273·5	270·1	23rd	275·6	*275·7*	0·0	12	− 24
234	Akureyri	65 40	18 4	6·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
235	Berufjord	64 40	14 19	18·0	998·6	1000·8	− 5·6	279·6	283·6	2nd	274·2	271·1	18th	276·9	*277·2*	+0·7	72	− 55
236	Thorshavn	62 3	6 45	26·3	999·8	1003·0	− 4·7	281·9	284·0	2nd	277·4	273·0	1st	279·7	*279·6*	+0·1	159	− 1
	Lerwick	60 9	W 1 8	147	989·4	1007·2	− 1·1	282·1	284·1	9th	278·1	274·7	1st	280·1	*280·6*	..	95	..
237	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1005·1	1010·5	+ 0·6	283·8	289·0	18th	278·7	275·6	14th	281·3	*281·2*	+0·7	420	+215
238	Christiansund	63 7	7 45	17·8	1007·2	1009·3	+ 0·9	..	286·4	16th	278·7	275·1	27th	..	*281·3*	+1·3	111	− 37
239	Trondhjem	63 26	10 25	39·5	1006·3	1011·1	+ 2·1	282·9	291·2	4th	276·5	269·3	27th	279·7	*279·8*	+1·8	34	− 77
240	Bodö	67 17	14 24	22·4	1007·2	1009·9	+ 2·1	..	283·0	10th	276·2	268·4	27th	..	*278·8*	+1·6	113	+ 5
241	Haparanda	65 50	24 9	9·2	1012·0	1013·1	+ 2·8	278·6	282·0	4, 11, 12	274·2	269·0	21st	276·4	*276·9*	+2·6	60	+ 4
242	Helsingfors	60 10	24 57	11·7	1016·3	1017·7	+ 4·2	282·9	285·7	14th	279·2	271·4	21st	281·1	*281·1*	+2·7	49	− 17
242a	Kuopio	62 54	27 40	90·3	1005·2	1016·4	+ 3·8	280·9	285·0	11th	276·4	271·1	21st	278·7	*279·0*	+2·9	65	+ 16
243	Kola	68 53	33 1	6·7	1010·8	1011·6	+ 2·6	276·9	282·6	5th	271·7	256·6	26th	274·3	*274·3*	+1·8	68	+ 41
244	Petrozavodsk	61 47	34 23	38·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
245	Arkhangelsk	64 35	40 36	6·2	1015·8	1016·6	+ 4·3	278·8	284·8	12th	274·2	265·2	26th	276·5	*276·6*	+2·4	77	+ 37
246	Mezen	65 50	44 16	12·6	1012·8	1014·4	+ 3·5	277·4	284·8	12th	272·1	259·8	26th	274·8	*274·7*	+2·3	61	+ 33
247	Oust-Tsyima	65 25	52 14	? 70	..	..	..	..	..	..	..	..	..	..	..	..	..	..
248	Tcherdyn	60 24	56 31	?177	996·2	1018·4	+ 2·6	277·5	287·5	10th	270·9	256·2	24th	274·2	*274·1*	+1·3	87	+ 36
249	Berezov	63 56	65 4	39·9	1011·6	1016·7	+ 3·6	272·8	285·7	10th	265·6	253·2	28th	269·2	*269·6*	+0·2	..	..
250	Obdorsk	66 31	66 35	23·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
251	Sourgout	61 15	73 24	? 40	1009·5	1014·6	+ 0·3	..	282·9	8th	267·3	253·8	29th	..	*271·1*	+0·6	*53	+ 20
252	Doudinka	69 23	86 4	20	1006·8	1009·4	− 1·7	..	277·3	1st	258·6	245·6	23rd	..	*262·3*	..	13	..
253	Touroukhansk	65 47	87 57	45	1006·6	1012·4	− 1·2	..	278·4	1st, 4th	261·8	243·3	29th	..	*265·3*	−1·1	45	+ 14
262	Iakoutsk	62 1	129 43	108	1000·6	1014·8	− 3·6	..	280·2	7th	258·2	241·9	29th	..	*263·0*	−1·4	10	− 9
263	Verkhoïansk	67 33	133 23	100	996·8	1009·9	− 1·9	..	276·6	7th	258·2	243·5	28th, 29th	..	*261·6*	+3·6	9	+ 1
271	Markovo-sur-Anadyr	64 45	170 50	25·9	1013·0	1016·3	+ 3·2	..	..	..	260·9	247·0	17th	..	‡*264·9*	+1·0	18	+ 7
272	Novo-Mariinskii Post	64 45	177 33	23·5	1013·2	1016·2	+ 5·4	269·2	277·5	12th	264·0	254·9	31st	266·6	‡*266·9*	−1·2	5	− 9
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 105 and 106. †Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 105 and 106.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A. and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
301	Atka	52 12	174 20	7·6	..	..	..	..	..	..	..	..	..	..	..	..	181	
302	St. Paul Island	57 15	170 10	6·1	..	1003·7	− 1·0	277·4	281·9	9th	273·2	269·7	..	..	..	..	62	
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	1003·0	− 2·3	280·2	283·6	14th, 21st	275·3	271·3	27th	277·7	..	−0·6	83	
304																		
305	Dillingham	59 0	158 28	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
306	Kodiak (Radio)	57 46	152 22	6·1	..	995·6	− 6·6	281·1	285·2	12th	276·1	268·0	22nd	278·6	..	..	203	
309	Sitka	57 3	135 19	27·4	..	1003·4	− 4·9	283·2	289·1	2nd	277·9	273·6	22nd	280·6	*280·3*	0·0	406	
310	Prince Rupert	54 18	130 18	51·8	1001·0	1007·3	− 4·5	284·1	290·2	1st, 2nd	279·1	274·1	14th	281·6	*281·3*	+0·3	372	
311	Barkerville	53 2	121 35	1274	867·9	1014·9	− 1·8	280·2	288·0	1st	271·9	264·7	23rd	276·1	*275·9*	0·0	109	
312	Kamloops	50 42	120 29	385	973·4	1019·5	− 0·6	287·4	295·2	5th	277·4	271·9	15th	282·4	*282·7*	+0·6	16	
313	Calgary	51 2	114 2	1045	892·6	1012·8	− 2·8	290·8	296·3	5th, 6th	273·0	264·1	23rd	281·9	*281·1*	+3·4	3	
314	Fort Chipewyan	58 42	111 10	218	983·6	1010·6	..	277·4	288·6	5th	268·6	254·1	30th	273·0	*273·3*	−0·9	61	
315	Prince Albert	53 10	106 0	442	960·0	1013·2	− 0·4	284·7	293·0	3rd	271·9	259·7	23rd	278·3	*278·0*	+1·8	10	
316	Qu'Appelle	50 30	103 47	645	937·5	1013·9	− 0·5	285·2	295·8	3rd	273·6	263·0	31st	279·4	*278·7*	+1·5	19	
317	Minnedosa	50 15	99 50	515	953·9	1015·5	+ 0·4	284·1	293·0	3, 11, 21	272·4	264·1	28th	278·3	*277·7*	+0·7	33	
318	Berens River	52 18	97 23	216	..	..	..	280·6	288·0	17th	270·5	260·8	31st	275·6	..	−1·9	25	
318*a*	Port Nelson	57 4	92 36	14·9	1011·7	1013·6	+ 1·3	275·2	284·1	6th	268·6	251·3	24th	271·9	..	+1·1	16	
319	Fort Hope	51 33	87 49	‡260	982·7	1015·2	..	278·6	288·6	8th	270·2	264·7	26th	274·4	*274·3*	−1·1	62	
320	Moose Factory	51 14	80 30	9·1	1015·1	1016·2	+ 1·3	280·8	288·0	10th	271·9	266·3	7th	276·3	..	−1·3	58	
321	Fort George	53 50	79 5	97·5	..	..	..	276·8	280·2	7, 9, 20	271·7	266·3	5th	274·2	*273·9*	..	..	
322	Mistassini Post	50 15	73 55	383	..	..	..	279·3	288·6	10th	271·9	262·4	5th	275·6	..	+0·9	91	
323	Hebron	58 12	62 21	15·0	..	..	..	..	..	..	..	..	..	..	..	..	..	
324	Natashquan	50 8	61 48	?	..	..	..	280·4	284·1	4th	272·3	265·2	6th	276·3	..	−0·5	50	
326	Belle Isle	51 53	55 23	133	996·5	1013·1	+ 2·3	276·9	283·0	14th	270·2	264·1	27th	273·6	*273·9*	−2·3	61	
334	Cahirciveen (Valencia Obs.)	51 56	10 15	13·7	1013·3	1015·0	+ 3·0	285·2	288·0	9th	280·6	274·7	24th	282·9	283·3	−0·9	169	
335	Aberdeen	57 10	2 6	26·8	1006·5	1009·8	− 0·5	284·2	288·0	9th	279·5	274·7	13th	281·9	281·9	+0·4	58	
336	Greenwich	51 28	W 0 0	46·3	1010·9	1016·5	+ 3·1	286·7	290·8	6th	278·8	272·4	18th	282·8	282·8	−0·3	34	
337	Uccle	50 48	E 4 22	100	1004·3	1016·6	+ 2·1	286·2	290·3	12th	279·0	274·1	9th	282·6	282·1	−0·9	72	
338	De Bilt	52 6	5 11	3·0	1016·1	1016·5	+ 3·0	286·9	288·4	14th, 24th	278·9	274·1	25th	282·4	282·3	−0·1	75	
338*a*	Hamburg	53 33	9 58	26·0	1013·6	1016·7	+ 2·6	285·6	288·5	16th	280·2	274·0	31st	282·9	*282·5*	+0·2	54	
339	Copenhagen	55 41	12 36	5·0	1016·4	1017·0	+ 3·6	284·2	286·8	16th	281·2	276·5	28th	282·7	*282·8*	+1·0	30	
340	Potsdam	52 23	13 4	84·9	1007·4	1017·9	+ 2·4	286·2	291·1	16th	278·6	271·5	29th	282·4	281·7	+0·2	57	
340*a*	Upsala	59 51	17 38	24	1013·0	1015·9	+ 3·7	282·7	286·7	17th	277·3	270·3	21st	280·0	280·3	+2·1	43	
341	Warsaw	52 13	21 1	133	1003·2	1019·4	+ 2·4	286·4	292·6	15th	280·2	272·1	30th	283·3	283·3	+2·3	34	
342	Dorpat (Jurjev)	58 23	26 43	74·5	1010·8	1020·0	+ 4·6	284·6	292·8	14th	278·1	271·1	21st	281·4	281·1	+3·2	64	
343	Petrograd	59 56	30 16	4·8	1018·7	1019·3	+ 5·1	283·5	288·4	14th	278·6	272·9	21st	281·0	*280·9*	+3·0	45	
344	Kiev	50 27	30 30	183	998·6	1020·7	+ 1·1	289·2	298·3	4th	281·4	270·7	22nd	285·3	*285·0*	+4·3	32	
344*a*	Moscow	55 50	37 33	167	1003·9	1024·5	+ 5·3	285·0	291·4	13th, 14th	276·2	269·6	4th	280·6	*280·2*	+2·5	10	
345	Saratov	51 32	46 3	59·9	..	..	..	..	..	..	..	..	..	..	..	..	..	
346	Kazan	55 47	49 8	79·9	1015·4	1025·4	+ 6·8	283·3	292·5	14th, 15th	275·2	259·5	24th	279·2	*278·9*	+1·9	9	
347	Orenburg	51 45	55 6	109	1012·2	1025·8	+ 4·9	286·2	298·2	1st	273·7	256·4	24th	280·0	*279·6*	+2·7	13	
348	Perm	58 1	56 16	163	1001·4	1021·8	+ 4·7	280·0	287·7	10th	273·0	260·3	24th	276·5	*276·4*	+2·3	44	
349	Ekaterinburg	56 49	60 38	281	..	1020·6	+ 2·2	280·6	289·5	3rd	273·3	263·9	25th	277·0	*276·9*	+2·9	43	
350	Tobolsk	58 12	68 14	?108	1005·6	1019·2	+ 1·8	279·1	287·9	3rd	271·2	255·5	29th	275·2	*275·1*	+1·9	19	
351	Akmolinsk	51 12	71 23	?347	982·2	1025·1	+ 1·0	..	295·4	3rd	..	..	..	..	*275·4*	+0·4	5	
352	Omsk	54 58	73 23	90	..	..	..	..	..	..	..	..	..	..	*275·2*	+0·9	16	
353	Barnaoul	53 20	83 48	162	1003·2	1023·5	+ 0·4	279·7	291·2	4th	271·0	258·6	31st	275·4	*275·3*	+0·4	71	
354	Tomsk	56 30	84 58	122	1003·2	1018·6	− 1·2	..	289·6	4th	270·4	258·6	30th	..	*273·4*	+0·3	69	
355	Minousinsk	53 43	91 41	249	991·4	1022·4	− 1·1	..	287·8	4th	270·4	262·5	31st	..	*274·6*	..	20	
356	Eniseisk	58 27	92 10	77·6	1006·2	1016·1	− 3·8	..	284·5	5th	268·8	259·1	31st	..	*271·7*	−0·2	57	
357	Irkutsk	52 16	104 19	467	963·1	1020·6	− 2·9	..	290·4	6th	267·8	259·6	20th	..	*272·9*	−0·6	13	
358	Kirensk	57 47	108 7	263	..	..	..	..	..	..	..	..	..	..	..	..	..	
359	Tchita	52 2	113 30	687	934·0	1017·3	− 3·3	..	291·0	1st	280·3	255·2	23rd	..	*272·4*	+0·8	8	
360	Nertchinskii Zavod	51 19	119 37	626	940·3	1016·7	− 2·9	..	289·2	7th	264·4	251·7	27th	..	*270·9*	−0·5	6	
361	Tygan Ourkan	54 5	124 46	379	966·8	1014·2	..	275·6	289·0	7th	261·6	250·7	29th	268·6	*268·1*	..	7	
362	Blagoveshchensk (Bureau Météor.)	50 16	127 30	142	996·4	1014·1	− 2·2	281·6	294·4	7th	268·5	256·5	27th	275·0	*274·6*	+0·3	2	
363	Paikanskii Sklad	50 11	130 7	?145	995·6	1013·8	..	280·2	293·8	8th	265·1	252·5	27th	272·6	*273·1*	..	7	
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	1006·2	1008·8	− 3·0	..	290·6	9th	269·4	257·6	23rd	..	*275·3*	+0·4	46	
366	Okhotsk	59 21	143 12	6·0	..	..	..	..	..	..	..	..	..	..	..	..	..	
367																		
368	Petropavlovsk (Radio)	53 0	158 39	13·5	1005·2	1006·8	− 1·1	282·6	289·4	2nd	274·7	267·5	28th	278·7	*278·5*	..	242	
369																		
371	Attu Island	52 56	173 13	4·9	..	..	..	..	..	..	..	..	..	..	..	..	..	
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 106 and 107. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	70·1	1008·8	1017·4	− 0·2	286·3	291·9	1st	280·8	277·4	14th	283·6	283·3	+0·7	105	+ 40
412	Portland, Oregon	45 32	122 41	46·6	1013·4	1018·6	+ 0·7	290·5	298·6	11th	282·6	276·3	22nd	286·6	*286·1*	+1·3	114	+ 31
413	Macleod				..	..	..	289·3	296·3	16th	277·4	264·7	23rd, 30th	283·3	*283·0*	+2·7	6	− 10
414	Helena	49 44	113 24	953	874·5	1016·9	− 0·7	288·2	299·1	13th	277·7	272·4	23rd	282·9	*282·5*	+2·3	10	− 13
414*a*	Salt Lake City	40 46	111 54	1329	869·3	1016·9	+ 0·1	290·8	299·1	13th	280·7	272·4	27th	285·8	*286·0*	+1·7	29	− 9
415	Cheyenne	41 8	104 48	1856	814·8	1016·9	+ 0·6	288·1	296·3	6th	275·9	264·1	27th	282·0	*282·5*	+2·1	17	− 4
416*a*	North Platte	41 8	100 45	859	918·6	1017·9	+ 1·2	293·1	304·7	6th	277·9	266·9	31st	285·5	*285·3*	+2·3	36	+ 8
417	Bismarck	46 47	100 38	511	956·8	1017·9	+ 1·2	288·6	299·7	14th	274·7	262·4	28th	281·6	*281·9*	+2·2	7	− 18
418	Winnipeg	49 53	97 7	232	986·4	1014·7	− 0·6	285·2	294·7	11th	274·1	265·2	25th	279·7	*279·3*	+1·8	28	− 8
	Duluth	46 47	92 6	345	974·2	1015·9	0·0	283·8	297·4	12th	277·1	269·7	31st	280·4	*280·3*	+1·2	55	+ 1
419	Port Arthur	48 27	89 12	196	991·7	1015·7	+ 0·1	283·6	293·0	12th	275·2	270·8	21st, 31st	279·4	*279·1*	+1·3	64	+ 1
420	Chicago	41 53	87 37	251	987·6	1017·6	− 0·1	290·6	299·7	5th	283·7	275·8	31st	287·1	*287·4*	+2·2	75	+ 12
421	Toronto	43 40	79 24	116	1004·4	1018·6	+ 0·6	288·6	295·8	10th, 11th	279·1	271·9	15th	283·8	282·9	+2·5	72	+ 10
422	New York (Central Park)	40 46	73 58	30·2	1015·9	1019·5	+ 1·3	292·3	298·6	6th, 11th	283·6	278·0	8th	288·0	287·8	+1·6	20	− 79
423	St. John, N.B.	45 17	66 4	36·2	1013·6	1018·0	+ 1·5	284·7	290·8	10th	278·0	273·0	17, 19, 20	281·3	281·3	+0·9	167	+ 52
424	S.W. Point, Anticosti	49 24	63 33	9·1	1014·4	1015·5	+ 2·2	280·2	285·2	29th	275·2	270·2	18th	277·7	*278·0*	+0·3	64	− 19
424*a*	Sable Island (Main Station)	43 57	60 6	7·6	1018·7	1019·6	+ 1·9	286·3	290·8	3rd	282·4	278·6	18th	284·4	*284·3*	+0·1	199	+ 75
425	Port aux Basques	47 35	59 10	9·1	1015·6	1016·7	+ 2·0	281·9	285·2	2, 24, 29	276·9	270·8	19th	279·4	*279·5*	−0·4	115	− 27
426	St. John's, Newfoundland	47 34	52 42	38·1	1011·5	1016·2	+ 2·9	283·6	293·6	14th	275·8	269·7	21st	279·7	*279·7*	−0·7	232	+ 88
435	Madrid	40 24	3 41	655	941·4	1017·9	+ 0·7	292·6	299·9	7th	277·3	272·4	19th	284·9	284·2	−1·9	36	− 9
436	Nantes	47 15	W 1 34	36·5	1013·3	1017·7	+ 2·6	287·9	291·9	28th	279·0	274·9	2nd	283·4	283·1	−1·5	38	− 24
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1012·1	1018·3	+ 2·9	286·7	291·4	7th	278·0	274·3	9th	282·4	282·0	−1·1	26	− 29
438	Marseilles	43 18	5 23	75	..	1013·7	− 1·1	290·8	296·2	7th	281·1	277·8	10th, 20th	286·0	*285·7*	−1·8	134	+ 77
438*a*	Zürich	47 23	8 33	493	959·7	1018·8	+ 1·4	284·7	292·5	7th	277·4	272·9	28th	281·0	280·4	−1·0	49	− 45
439	Rome	41 54	12 27	45	1008·0	1013·4	− 2·7	292·6	299·3	1st	285·5	278·1	29th	289·0	*288·8*	−0·8	201	+ 83
440	Vienna	48 15	16 22	203	992·6	1017·2	+ 0·1	285·1	289·5	7th	280·1	276·7	4th	282·6	282·5	−0·1	92	+ 43
440*a*	Buda-Pesth	47 31	19 2	130	1001·4	1017·1	− 0·6	289·1	295·2	14th	280·8	276·3	5th	285·0	*284·2*	+0·9	111	+ 52
441	Sofia	42 42	23 20	550	953·0	1017·4	− 0·8	290·8	299·5	2nd	281·7	275·0	31st	286·3	*285·7*	+1·8	100	+ 39
442	Bucharest	44 25	26 5	82	1007·5	1017·4	− 1·4	293·3	300·1	20th	283·1	272·7	30th	288·2	287·3	+2·7	85	+ 44
443	Odessa (University)	46 26	30 46	42·8	1013·1	1018·2	− 1·4	292·6	299·5	4th	286·8	275·1	23rd	289·7	*289·6*	+4·7	49	+ 18
444	Kharkov (University)	50 0	36 14	140	1005·8	1022·8	+ 1·8	290·8	297·2	3rd	279·7	269·8	26th	285·2	*284·6*	+4·5	13	− 28
444*a*	Novorossiisk	44 44	37 49	37·1	1014·4	1018·8	+ 0·9	297·7	305·7	1st	286·7	275·1	22nd	292·2	*292·0*	+4·4	22	− 18
445	Tiflis	41 43	44 48	404	974·2	1021·6	+ 0·4	296·6	306·3	1st	284·5	278·9	24th	290·6	*289·6*	+2·5	73	+ 36
446	Astrakhan	46 21	48 2	−13·8	..	..	..	..	..	..	..	..	..	..	..	..	..	
447	Fort Alexandrovsk	44 31	50 7	−18·0	1024·3	1022·1	+ 0·4	293·4	301·9	3rd	282·9	272·6	25th, 31st	288·2	*287·8*	+3·1	0	− 13
448	Krasnovodsk	40 0	52 59	−17·2	1023·6	1021·6	+ 0·9	295·6	302·3	6th	289·4	280·2	31st	292·5	*291·9*	+1·7	3	− 7
449	Aralsko-More	46 47	61 42	56	1019·4	1026·4	+ 2·1	..	..	..	276·0	263·5	30th	..	*281·8*	+1·4	20	..
450	Tachkent	41 20	69 18	478	965·5	1021·8	− 0·6	294·9	302·1	4th	280·2	271·3	31st	287·6	*287·0*	+1·8	5	− 23
451	Narynskoe	41 26	76 2	?2015	800·4	..	..	..	..	..	272·8	264·0	27th	..	*278·9*	+1·2	18	..
452	Vernyi	43 16	76 53	841	..	..	..	..	..	..	..	..	..	..	..	..	..	..
461	Mukden	41 48	123 23	43·8	1013·9	1019·3	− 0·6	289·8	295·6	8th	276·8	266·3	18th	283·3	282·4	+0·3	46	+ 9
462	Joshin	40 40	129 11	4·0	1018·2	1018·7	+ 0·3	289·9	296·4	21st	278·5	270·3	24th	284·2	284·1	−0·3	9	− 26
463	Yuki	42 20	130 24	65·6	1010·6	1018·7	..	287·8	293·5	7th	277·7	270·4	24th	282·7	282·9	..	..	..
464	Vladivostok	43 7	131 55	128	1003·1	1018·9	+ 0·7	285·7	291·1	16th	277·9	267·7	24th	281·8	281·6	−0·7	21	− 25
465	Ochiai	47 20	142 44	6·6	1011·8	1012·6	− 2·3	285·3	294·5	4th	273·1	265·4	28th	279·2	279·4	+0·2	36	− 70
466	Nemuro	43 20	145 35	26·7	1013·0	1016·2	+ 0·5	287·5	292·5	2nd	280·4	273·4	25th	284·0	284·3	+0·8	36	− 59
466*a*	Syana	45 14	147 53	39·3	1010·0	1014·8	− 0·7	286·5	291·2	3rd	277·9	269·7	31st	282·2	282·5	+0·8	84	− 19
		N.	E.															

Between Latitude 40° N. and 30° N.

OCTOBER—ZONE 5 (Western Half).

511	San Francisco	37 48	122 26	47·2	1010·8	1016·6	+ 0·1	295·3	302·4	12th	286·3	284·1	24th	290·8	*289·8*	+2·1	4	− 23
512	San Luis Obispo	35 18	120 39	61·3	1008·1	1015·6	− 0·4	299·8	310·2	12th	285·7	279·7	26th	292·8	*291·4*	+3·0	21	− 4
513	San Diego	32 43	117 10	26·5	1010·6	1013·5	− 0·7	297·0	305·2	31st	289·1	285·2	18th	293·1	*292·7*	+2·5	11	0
514	Modena	37 48	113 54	1670	835·5	1016·2	− 0·5	291·3	298·0	13th	275·9	266·9	27th	283·6	*283·7*	+1·6	18	− 4
515	Santa Fé	35 41	105 57	2138	789·2	1015·2	+ 0·6	289·6	298·0	3rd	278·6	269·1	26th	284·1	*283·7*	+0·6	69	+ 42
516	Denver	39 45	105 0	1613	839·1	1016·9	+ 0·8	291·9	300·8	14th	279·3	269·1	27th	285·6	*285·8*	+2·2	11	− 15
517	Abilene	32 23	99 40	530	954·7	1015·6	− 1·1	298·6	306·9	8th	286·6	276·9	27th	292·6	*291·4*	+0·6	93	+ 30
518	Saint Louis	38 38	90 12	173	996·5	1016·9	− 1·2	294·3	304·1	5th	285·3	278·0	31st	289·8	*289·7*	+2·0	92	+ 29
519	Mobile	30 41	88 2	17·4	1013·6	1015·6	− 1·7	299·8	304·1	4th	292·6	284·7	31st	296·2	*295·9*	+3·4	268	+183
520	Nashville	36 10	86 47	166	998·8	1018·6	− 0·3	295·7	303·6	6th	285·8	278·6	31st	290·8	*291·0*	+2·3	87	+ 30
521	Charleston	32 47	79 56	14·6	1017·5	1019·3	+ 1·3	297·9	303·0	6th	291·1	286·3	23rd	294·5	*294·9*	+2·5	42	− 55
522	Washington	38 54	77 3	34·1	1016·2	1020·3	+ 1·4	294·8	301·3	6th	282·9	274·1	23rd	288·9	*288·4*	+1·8	22	− 55
523	Bermuda	32 18	64 46	46·0	1014·4	1019·8	+ 3·6	299·3	302·4	2nd	293·7	290·8	17th	296·5	*296·5*	+0·3	73	− 76
524	Santa Cruz (Flores)	39 27	31 9	28	1021·4	1024·5	+ 4·3	294·4	298·3	5th	290·3	286·0	29th	292·3	*292·2*	+0·5	95	− 49
530	Horta	38 32	28 38	65	1017·0	1024·2	+ 4·7	293·6	296·6	7th	289·1	286·2	29th	291·3	291·5	−0·8	51	− 62
531	Ponta Delgada	37 44	25 40	22	1022·3	1024·1	+ 5·8	293·6	295·3	9th	289·3	286·7	30th	291·4	291·3	−0·7	..	..
532	Faja da Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	71	− 61
533	Madeira (Funchal)	32 37	16 54	25	1018·4	1021·4	+ 3·3	295·1	297·1	8th	289·5	286·0	24th, 25th	292·3	*292·3*	−1·2	37	− 48
534	Lisbon	38 43	9 9	95	1008·1	1019·5	+ 2·5	292·1	297·8	10th	285·1	282·8	27th	288·6	*288·4*	−1·5	12	− 70
535	Gibraltar	36 0	5 21	10·2	1015·8	1017·7	+ 0·4	293·9	300·2	7th	286·2	283·6	20, 27, 28	290·1	*289·9*	−1·8	92	+ 8
536	Melilla	35 18	2 59	8	‡1017·3	‡1018·2	− 1·7	296·4	300·6	8th	284·2	281·6	26th	290·3	*292·5*	−4·5	73	+ 20
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108

(17188)

OCTOBER—ZONE 5 (Eastern Half). Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal.	Temperature. Mean Max. A.	Absolute Max.	Date.	Mean Min. B.	Absolute Min.	Date.	Mean of A and B.	†24 hr. Mean. *	Diff. from Normal.	Precipitation. Total.	Diff. from Normal.
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	E.															
537	Palma	39 34	2 39	23	1015·8	1018·5	+ 2·4	292·9	299·0	7th	284·6	282·8	3rd, 30th	288·8	..	−3·2	102	..
538	Algiers (Bouzaréah)	36 48	3 2	343	975·8	1015·8	− 0·3	290·9	297·0	12th	285·6	281·7	13th	288·3	288·1	−2·8	209	..
539	Tunis	36 48	10 10	21	1013·6	1016·3	+ 0·1	296·3	303·0	4th	287·1	281·0	31st	291·7	290·9	−1·1	17	..
539*a*	Malta	35 54	14 31	56·4	..	1014·7	− 2·7	296·3	303·0	1st	291·7	286·9	10th	294·0	*293·1*	−0·6	109	..
540	Riposto	37 41	15 14	14·2	..	1016·0	− 1·7	295·1	298·8	2nd, 3rd	289·3	285·0	30th	292·2	*291·5*	−1·3	237	..
541	Athens	37 58	23 43	107	1003·0	1015·6	− 1·1	297·7	303·7	21st	290·1	284·7	31st	293·9	293·7	+1·8	118	..
542	Alexandria	31 12	29 53	32·0	1012·1	1015·8	− 0·5	303·8	309·0	9th	294·9	293·3	16, 17, 26	299·3	*298·5*	+2·2	0	..
543	Cairo (Helwan)	29 52	31 20	116	1001·3	1014·7	+ 0·1	306·0	312·8	9th	293·3	288·5	25th	299·6	298·9	+2·7	3	..
544	Nicosia (P.W.D.)	35 9	33 22	159	997·5	1015·9	+ 0·9	302·0	306·9	11th	289·3	286·3	28th, 29th	295·7	..	+1·1	29	..
544*a*	Beirut	33 54	35 28	33·7	..	1015·5	+ 1·1	300·2	303·6	23rd	294·9	290·5	5th	297 5	*297·4*	+0·7	108	..
545	Baghdad	33 21	44 28	38·1	..	1014·5	+ 0·5	308·2	312·0	3rd	292·4	286·1	22nd	300·3	*298·0*	+1·9	1	..
546	Busrah	30 31	47 53	7·6	1013·9	1015·0	+ 0·2	308·4	312·9	3rd	291·7	287·0	24th	300·0	..	+1·6	0	..
546*a*	Lenkoran	38 46	48 51	−19·3	..	..	..	..	..	..	..	..	..	..	..	..	..	..
547	Teheran	35 41	51 25	1220	..	..	..	297·9	302·6	3rd	286·4	282·8	21st	292·2	*292·2*	+1·3	9	..
548	Meshed	36 16	59 35	946	..	..	..	..	..	..	..	..	..	..	..	..	..	..
549	Seistan	31 0	61 30	?	..	..	..	302·3	305·7	5th	284·4	278·6	9th	293·3	..	..	0	..
550	Quetta	30 11	67 3	1677	837·2	..	+ 0·9	298·1	299·2	2nd, 5th	276·4	273·3	10th	287·2	*287·2*	+0·3	0	..
551	Peshawar	34 2	71 37	339	975·6	1014·8	+ 1·1	304·9	307·6	3rd	286·8	282·4	27th	295·8	*295·0*	+0·1	2	..
551*a*	Lahore	31 34	74 20	214	988·0	1012·8	+ 1·3	307·9	310·1	5, 6, 18	288·8	285·0	29th	298·4	*297·6*	+0·3	0	..
552	Simla	31 7	77 8	2205	784·7	..	+ 1·4	289·9	292·2	3rd	283·8	277·4	27th	286·9	*286·9*	0·0	15	..
552*a*	Leh	34 10	77 42	3593	670·1	..	+ 1·1	286·5	290·4	18th	271·8	267·7	28th	279·2	*278·3*	−0·7	5	..
559	Hankow	30 35	114 17	37·0	1016·2	1020·6	+ 0·3	297·4	302·3	17th	288·1	283·6	19th	292·7	*292·4*	+0·8	71	..
560	Tientsin	39 10	117 10	5·0	1019·7	1020·3	− 0·3	293·8	299·6	2nd	281·4	275·8	18th	287·6	*287·5*	+0·1	12	..
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1019·5	+ 0·4	297·6	301·5	17th	285·9	280·5	27th	291·8	290·7	+0·3	51	..
562	Jinsen (Chemulpo)	37 29	126 37	67·6	1011·9	1020·1	+ 1·3	292·3	298·3	8th	282·7	275·6	25th	287·5	287·2	−0·1	5	..
562*a*	Nagasaki	32 44	129 52	133	1002·1	1017·9	+ 1·1	295·1	299·6	15th	287·8	280·8	25th	291·4	290·9	0·0	227	..
563	Kioto	35 1	135 44	42·9	1013·4	1018·5	+ 2·1	295·3	300·1	18th	284·1	274·7	26th	289·7	289·3	+0·8	155	..
564	Tokio	35 41	139 45	21·3	1015·9	1018·4	+ 1·6	293·1	300·6	6th	285·7	277·6	26th	289·4	289·0	+0·1	135	..
565	Kanayama	37 53	140 46	24·6	1015·4	1018·3	+ 1·2	291·8	296·6	5th	281·9	271·1	26th	286·9	286·7	+0·3	91	..
566	Miyako	39 38	141 59	30·4	1014·3	1017·9	+ 1·2	291·7	296·4	21st	281·1	270·1	26th	286·4	285·8	+0·4	93	..
		N.	E.															

OCTOBER—ZONE 6. Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal.	Temperature. Mean Max. A.	Absolute Max.	Date.	Mean Min. B.	Absolute Min.	Date.	Mean of A and B.	†24 hr. Mean. *	Diff. from Normal.	Precipitation. Total.	Diff. from Normal.
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	W.															
605	Honolulu	21 19	157 52	11·6	1014·3	1015·6	− 0·4	301·4	302·4	..	296·1	294·1	..	298·7	*298·5*	+0·9	37	..
614	La Paz	24 10	110 20	12	..	..	..	..	..	..	..	..	..	..	..	..	..	..
615	Chihuahua	28 38	106 4	1423	861·0	1015·4	..	296·9	301·0	8th	281·8	275·7	30th, 31st	289·3	..	..	11	..
616	Leon	21 7	101 41	1809	822·3	1009·9	+ 0·8	299·3	301·2	11th	284·3	279·5	31st	291·8	*292·1*	+1·4	3	..
616*a*	Monterry	25 40	100 18	528	954·3	1013·4	..	301·4	305·0	7, 8, 25	286·4	282·8	1st	293·9	*295·7*	..	90	..
617	Tulancingo	20 5	98 22	2180	..	..	..	..	298·0	..	..	273·0	..	..	288·2	+0·5	12	..
618	Galveston	29 18	94 50	16·5	1013·2	1015·2	− 1·7	298·7	301·9	20th	292·6	281·3	27th	295·6	*295·6*	+0·2	71	..
618*a*	New Orleans	29 58	90 4	16·2	..	1014·9	− 2·0	300·1	304·1	8th	293·3	285·8	28th	296·7	*296·1*	+2·3	281	..
619	Merida, Yuc.	20 58	89 38	22	1010·3	1012·7	..	303·0	306·4	23rd	296·3	294·8	11th	299·6	*299·1*	..	64	..
620	Havana	23 8	82 21	24·3	..	1013·8	+ 0·6	302·7	304·3	30th	296·6	295·0	12th, 13th	299·7	*299·4*	+0·8	105	..
620*a*	Key West	24 33	81 48	6·7	1013·3	1013·9	+ 0·1	302·3	304·1	1st	297·0	294·1	13th	299·7	*299·3*	+0·4	202	..
621	Nassau, Bahamas	25 5	77 21	3·7	..	1014·1	− 0·3	302·3	304·1	4th	296·9	294·1	22nd	299·6	*299·6*	0·0	54	..
622	Watling Island	24 6	74 26	33·5	?1010·1	?1013·9	+ 0·7	..	?303·0	14th, 20th	..	?296·9	21st, 24th	..	*?300·3*	..	..	..
633	Izaña	28 19	16 30	2367	769·6	..	..	283·6	289·3	10th	276·6	271·4	23rd	280·1	279·5	..	31	..
634	La Laguna	28 28	16 20	547	955·3	1018·4	+ 2·8	293·7	299·7	9th	286·4	280·5	24th	290·0	*289·4*	−1·8	59	..
637	Insalah	27 1	W 2 21	?280	..	..	..	305·0	310·0	12th	288·8	283·1	30th	296·9	*298·0*	−2·8	0	..
641	Siwa	29 12	E 25 29	−23	..	..	..	..	..	..	..	..	..	..	..	..	..	..
642																		
643	Aswan	24 2	32 53	99·6	1000·2	1011·6	+ 0·3	311·2	315·5	11th	295·2	291·8	27th	303·2	*302·4*	+1·8	..	..
644	Tor	28 14	33 37	1·9	1012·5	1012·7	+ 0·2	302·9	309·5	1st	292·9	288·6	28th	297·9	*297·8*	+1·0	..	..
647	Bushire	28 59	50 53	4·3	1011·8	1012·4	− 0·9	304·9	308·6	5th	296·1	292·7	24th	300·5	*299·8*	+1·1	0	..
648	Jask	25 44	57 47	4·0	1012·8	1013·3	+ 0·7	306·4	308·9	8th	297·1	293·4	29th	301·7	*301·0*	+0·3	0	..
649	Robat	29 45	60 55	?	913·3	..	..	305·9	309·4	5th	283·3	280·3	27th	294·6	..	..	0	..
649*a*	Karachi	24 53	66 57	4·0	1012·7	1013·3	+ 1·3	303·8	309·4	10th	295·7	292·8	8th	299·8	*299·1*	+0·2	0	..
650	Jacobabad	28 17	68 29	56·7	1006·0	1012·5	+ 1·4	311·3	313·3	19th	290·9	286·8	21st	301·1	*300·3*	+0·7	0	..
651	Jaipur	26 56	75 52	436	964·9	1013·6	+ 1·3	308·9	310·5	6th, 7th	291·6	288·2	13th	300·3	*299·6*	+1·1	0	..
652	Nagpur	21 8	79 5	310	979·0	1013·9	+ 2·2	307·5	309·2	1st	290·8	287·6	29th, 31st	299·2	*298·7*	−0·1	10	..
653	Allahabad	25 25	81 51	94·1	1002·6	1013·4	+ 2·1	308·8	310·4	9th	290·9	287·9	20th	299·9	*299·1*	+0·7	0	..
653*a*	Darjiling	27 3	88 18	2266	779·1	..	+ 1·0	290·2	293·3	1st	283·0	279·2	31st	286·6	*286·6*	+0·5	23	..
654	Calcutta	22 36	88 23	6·4	1011·6	1012·3	+ 1·2	305·1	307·4	5th	296·5	293·9	23rd	300·8	*300·4*	+0·8	7	..
655	Gauhati	26 8	91 41	59·7	1006·9	1013·8	+ 1·5	303·7	306·2	11th	294·2	290·6	26th	298·9	*298·2*	−0·1	58	..
655*m*	Cherrapunji	25 15	91 42	1314	871·3	..	+ 1·4	295·1	297·6	11th	288·1	285·1	31st	291·6	*290·9*	−0·4	179	..
655*a*	Akyab	20 11	92 56	6·1	1011·1	1011·8	+ 0·7	302·8	305·2	7th	296·4	293·3	26th	299·6	*299·2*	?−1·2	489	..
656	Mandalay	21 59	96 0	76·2	1004·6	1013·3	+ 1·8	305·8	309·2	22nd	296·4	291·3	23rd	301·1	*300·7*	−0·4	89	..
656*a*	Tengyueh	24 59	98 35	1633	836·0	..	..	295·1	298·6	9th	285·4	279·7	20th	290·3	*289·6*	..	162	..
657	Phu Lien	20 48	106 37	115	1000·8	1014·1	+ 0·7	303·5	306·7	18th	294·9	291·7	26th	299·2	298·5	+0·7	5	..
658	Moncay	21 31	107 51	9	1013·2	1014·2	+ 0·6	303·7	307·0	18th	292·6	288·1	27th, 28th	298·1	*299·7*	−0·1	1	..
659	Hong Kong	22 18	114 10	33·2	..	1013·5	− 0·1	300·6	304·2	23rd	295·5	292·8	26th	298·1	297·7	0·0	1	..
660	Amoy	24 27	118 4	ca.3	1014·4	1014·7	− 1·1	300·2	304·7	4th, 5th	294·7	291·9	25th	297·5	*297·3*	−0·5	15	..
661	Taihoku, Formosa	25 2	121 31	9·3	1012·8	1013·9	− 0·8	298·9	305·9	17th	292·7	288·2	13th	295·8	295·4	−0·7	657	..
661*a*	Santo Domingo	20 28	121 59	18·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
662	Naha	26 13	127 41	10·5	1012·3	1013·5	− 0·2	300·9	304·8	1st	294·3	288·3	25th	297·6	297·4	+0·4	166	..
665	Titizima (Bonin Islands)	27 5	142 11	4·0	1014·5	1014·9	+ 1·1	302·5	304·7	14th	296·7	294·4	9th	299·6	299·2	+0·7	73	..
		N.	E.															

* For formulæ employed *see* pages 109 and 110. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 110.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N. OCTOBER—ZONE 7.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal.	Temperature. Mean Max. A.	Absolute Max.	Date.	Mean Min. B.	Absolute Min.	Date.	Mean of A and B.	†24 hr. Mean. *	Diff. from Normal.	Precipitation. Total.	Diff. from Normal.
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	W.															
715	Colima	19 12	103 45	509	954·7	1009·4	..	305·1	307·4	5th	293·5	289·9	29th	299·3	*299·0*	..	32	..
716	Morelia	19 42	101 7	1923	809·2	1008·0	..	297·1	299·4	13th	283·4	279·5	2nd	290·2	*289·7*	..	19	..
717	Mexico, Tacubaya	19 24	99 12	2309	775·3	1010·0	0·0	297·2	300·3	26th	281·5	275·5	1st, 2nd	289·4	288·1	+0·5	4	− 49
718	Oaxaca	17 4	96 42	1563	..	..	..	..	..	..	..	..	..	..	..	..	..	..
718*a*	Salina Cruz	16 12	95 12	56	1004·4	1008·6	..	303·8	307·0	24th	297·4	292·0	28th	300·6	*300·2*	..	280	..
719	San Salvador	13 42	89 13	‡665	936·9	1011·3	+ 0·6	306·8	311·5	17th	291·6	288·8	1st	299·2	*296·3*	+0·6	244	− 22
720	Belize	17 29	88 12	5·2	1011·5	1012·0	+ 1·2	303·2	304·7	14th, 30th	296·9	294·7	2nd, 17th	300·1	*299·7*	+0·2	262	− 83
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1011·0	+ 0·2	304·1	305·1	12th	295·7	294·6	6th	299·9	*299·4*	+0·3	132	− 81
722	Fort au Prince	18 33	72 23	37·4	1007·9	1012·2	+ 0·2	304·2	305·8	30th	295·5	293·9	12th	299·8	*298·9*	−0·3	280	+ 98
723	Caracas	10 30	66 55	‡1010	899·8	..	+ 0·1	298·9	301·3	6, 9, 11	288·7	286·7	28th, 29th	293·8	*292·7*	−0·7	107	+ 10
724*a*	Montserrat	16 41	62 9	39·6	1008·0	1012·5	− 0·9	304·2	306·3	6th, 23rd	295·7	294·1	10, 23, 25	299·9	*299·3*	..	181	..
724	Grenada (Richmond Hill)	12 5	61 46	155	992·8	1010·7	− 0·4	302·7	304·1	7th, 13th	296·9	295·2	2nd	299·8	*299·2*	+0·1	299	+113
725	Barbados	13 8	59 36	55·2	..	1011·7	− 0·7	302·7	304·2	10th	296·2	294·7	26th	299·4	*298·8*	+0·2	204	+ 47
731	St. Vincent, C. Verde Is.	16 54	25 4	11	1012·3	1013·5	+ 0·1	300·4	302·0	10th	295·2	293·2	31st	297·8	*298·4*	−1·0	18	− 13
732	San Tiago, C. Verde Is.	14 54	23 31	?40	1009·8	1014·4	+ 0·7	301·0	302·2	10th	297·2	296·0	11th, 26th	299·1	*299·1*	−0·6	35	+ 2
733	Bathurst	13 24	16 36	1·5	1012·9	1013·2	+ 1·1	304·3	306·3	24th	..	..	..	..	*300·9*	−0·4	133	+ 34
734	M'Carthy Island	13 42	14 46	1·1	..	..	..	311·1	312·4	11th, 14th	294·0	293·0	sev. dates	302·5	..	+1·2	156	+116
735	Ségou	13 34	6 17	300	..	..	..	..	..	..	..	..	..	..	..	..	..	..
736	Timbuctoo	16 43	W 3 2	270	..	..	..	312·7	314·4	6th	296·5	292·7	10th	304·6	*304·5*	−0·2	0	..
737	Sokoto	13 2	E 5 14	353	..	..	..	308·2	310·8	28th	294·6	290·8	25th	301·4	*300·7*	−0·2	16	+ 5
738	Kaduna Capital	10 32	7 25	637	943·9	1015·1	+ 0·9	304·3	305·8	28th	?291·8	?288·6	24, 27, 31	?298·1	*?297·4*	+0·5	65	+ 10
739	Hadeija	12 40	10 5	?	..	..	..	311·9	313·6	19, 20, 31	293·7	290·8	22, 27, 28	302·8	*302·1*	+1·6	0	..
740	Maiduguri	11 47	13 11	361	..	..	..	310·0	313·0	7th	294·4	290·8	27th, 31st	302·2	*301·5*	+0·2	15	+ 1
741	El Fasher	13 32	25 18	730	..	..	..	310·3	312·0	1st	291·8	285·0	24th	301·1	..	..	0	..
743	El Obeid	13 11	30 14	569	945·1	1007·8	− 0·8	310·7	312·5	2nd	293·2	291·1	25th, 27th	301·9	*302·0*	+1·6	3	− 15
743*a*	Khartoum	15 37	32 33	390	964·4	1007·4	− 0·2	312·4	315·2	1st	297·4	294·6	27th	304·9	*304·9*	+0·2	0	− 5
744	Port Sudan	19 37	37 13	5·9	1010·1	1010·7	− 0·2	?306·8	311·6	1st	296·7	292·6	1st, 25th	?301·7	*?301·4*	−0·3	43	+ 35
745	Berbera, Somaliland	10 22	45 2	9·2	1012·2	1013·2	+ 0·8	306·2	308·6	15th	297·2	294·1	29th	301·7	*301·9*	+0·4	0	− 1
746	Aden	12 45	45 3	28·7	1009·8	1013·0	+ 0·5	303·8	305·7	22nd	298·2	295·8	30th	301·0	*300·1*	−0·7	0	− 3
751	Bombay	18 54	72 49	11·3	1011·5	1012·7	+ 1·0	304·9	307·3	17th	298·1	296·8	31st	301·5	*300·8*	+0·8	0	− 44
751*a*	Cochin	10 58	76 21	2·7	1012·1	1012·4	+ 0·9	304·3	306·6	29th	297·4	295·8	13th	300·8	*300·1*	+0·8	159	−178
752	Kodaikanal	10 14	77 28	2343	772·2	..	+ 1·1	291·4	293·4	5th, 6th	283·3	280·3	26th	287·3	*287·3*	+0·5	180	− 91
752*a*	Bangalore	12 59	77 38	920	912·0	1011·8	+ 1·3	303·2	304·5	17th	291·5	287·7	29th	297·4	*296·6*	+1·4	27	−130
753	Madras	13 4	80 14	6·7	1011·3	1012·0	+ 1·5	306·6	308·8	13th	296·8	293·2	26th	301·7	*300·9*	+0·8	11	−283
754	Vizagapatam	17 42	83 19	11·6	1010·8	1012·2	+ 1·7	304·4	306·6	16th	298·3	295·6	28th	301·3	*300·6*	+0·5	34	−125
755	Port Blair	11 40	92 40	17·7	1009·8	1011·8	+ 1·0	302·7	304·3	21st	297·6	296·4	27th	300·2	*299·5*	−0·5	227	− 54
756	Rangoon	16 46	95 48	5·5	1011·9	1012·6	+ 1·2	304·4	306·1	20th, 22nd	297·2	295·6	8th	300·8	*299·9*	+0·3	50	−128
757	Saigon	10 47	106 42	11·2	1008·9	1010·1	+ 0·7	304·9	306·6	28th	296·8	295·4	12th	300·8	*300·3*	+0·5	162	−104
758	Nhatrang	12 15	109 12	3·6	1010·4	1010·8	+ 0·9	303·6	306·9	19th	296·0	294·3	16th	299·8	*299·3*	0·0	79	−231
759	Bolinao	16 24	119 53	7·1	..	1005·9	− 1·5	303·7	306·0	26th	297·2	295·2	29th	300·5	*299·8*	−0·4	119	− 65
760	Vigan	17 34	120 23	12·2	..	1007·4	− 1·2	304·2	307·0	20th	296·2	293·5	14th	300·2	299·7	−0·6	202	+ 20
761	Manila	14 35	120 59	14·2	..	1008·3	− 0·8	303·8	305·9	27th	296·5	294·2	17th	300·1	299·4	−0·2	323	+130
762	Omoc	11 0	124 36	5·6	..	1008·3	+ 0·3	305·3	306·8	26th	296·5	294·4	25th, 26th	300·9	*300·3*	+1·3	174	− 61
765	Guam, Ladrone Is.	13 24	144 38	20·4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		N.	E.															

Between Latitude 10° N. and 0°. OCTOBER—ZONE 8.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal.	Temperature. Mean Max. A.	Absolute Max.	Date.	Mean Min. B.	Absolute Min.	Date.	Mean of A and B.	†24 hr. Mean. *	Diff. from Normal.	Precipitation. Total.	Diff. from Normal.
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	W.															
805	Fanning Island	3 55	159 23	3·1	..	..	..	305·2	308·0	20th	297·9	294·7	16th	301·6	*301·1*	+1·5	202	+105
821	Colon	9 23	79 23	11·0	..	1010·2	− 0·2	302·1	304·7	23rd	296·6	295·2	1st	299·3	*298·9*	0·0	688	+310
822	Bogota	4 36	74 6	2645	..	..	..	297·5	300·5	6th	289·0	287·9	18th, 19th	293·3	*292·2*	..	240	..
822*a*	Merida, Venez.	8 36	71 9	1641	‡840·7	..	..	..	..	..	..	..	..	..	*‡297·1*	+0·5	34	− 55
824	El Peru, Guayanavieja	7 19	61 49	220	984·0	1009·1	− 0·4	..	..	..	..	..	..	..	..	+0·5	5	− 55
825	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1012·0	+ 0·3	304·2	305·2	27th	297·5	295·8	6, 12, 14	300·9	*300·3*	+0·6	145	+ 72
826	Paramaribo	5 49	55 9	3·7	..	..	..	305·3	307·2	15th, 21st	296·2	294·5	31st	300·7	*299·6*	+0·2	35	+ 1
826*a*	Cayenne	4 56	52 21	6	..	..	..	307·3	308·6	19th	293·3	292·0	12th	300·3	*299·4*	−0·9	..	..
833	Conakry	9 31	13 43	16	..	..	..	..	..	..	..	..	..	..	..	..	..	..
834	Freetown, Sierra Leone	8 30	13 9	68·3	1005·2	1013·0	+ 1·1	303·9	305·2	6th, 30th	?295·2	..	..	?299·5	*?298·2*	−0·3	224	−100
835	Cape Coast Castle	5 5	1 13	?	..	..	..	..	..	..	..	..	..	..	..	..	81	+ 32
836	Accra	5 33	W 0 12	25·7	..	..	..	303·0	..	..	..	..	..	..	*‡299·7*	−0·1	88	+ 41
837	Lagos	6 27	E 3 24	1·8	1011·8	1012·0	− 1·3	303·1	305·2	..	296·4	293·8	..	299·7	*299·2*	+0·5	104	− 92
838	Zangeru	9 48	6 10	130	..	..	..	306·2	308·6	18, 27, 28	294·9	293·0	4, 5, 13	300·6	*299·9*	+0·7	42	− 38
839	Libreville	0 23	9 26	35	..	..	..	..	..	..	..	..	..	..	..	..	..	..
841	Yola	9 12	12 30	259	..	..	..	306·2	308·6	29th	295·8	293·0	13th	301·0	*300·3*	+0·3	127	+ 49
	Wau	7 42	28 3	440	960·1	1009·5	0·0	306·6	311·5	19th, 28th	293·2	292·0	16th, 28th	299·9	*298·9*	+0·6	83	− 44
843	Malakal (Kodok)	9 35	31 37	394	964·8	1009·0	0·0	308·5	312·6	31st	293·7	291·3	25th	301·1	*299·4*	..	37	− 45
843*a*	Mongalla	5 11	31 47	439	960·0	1009·2	+ 0·3	..	..	..	293·9	292·5	4, 6, 15	..	*‡299·2*	..	55	− 54
844	Entebbe	0 5	32 29	1171	884·2	..	+ 0·7	299·4	302·4	6th	289·6	285·8	28th	294·5	*294·7*	−0·3	78	− 11
845	Harrar	9 42	42 30	1856	..	..	..	..	..	..	..	..	..	..	..	..	..	..
851	Minicoy	8 17	72 49	2·1	1013·0	1013·2	+ 1·7	..	..	..	..	..	..	..	..	..	233	+ 13
852	Colombo Observatory	6 54	79 53	7·3	1009·9	1010·7	+ 1·0	302·9	304·0	29th	296·7	295·1	6th 10th	299·8	*299·1*	−0·1	375	+ 18
853	Nuwara Eliya	6 59	80 47	1886	..	..	..	293·8	295·7	12th

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	4 1	155 1	7·9	..	..	..	..	..	..	..	..	..	..	‡300·6	+0·3	33	+
924	Manaos	3 8	60 1	43·8	..	..	..	306·7	309·6	25th	297·4	295·0	29th	302·1	*300·8*	−0·5	113	+
926	Taperinha	2 30	54 20	20·0	1008·0	1010·2	..	305·0	306·8	22nd	295·7	294·6	5th	300·3	*299·0*	..	66	−
927	Turyassu	1 43	45 26	15·1	1008·9	1010·6	− 0·5	306·2	307·8	27th	295·9	293·6	31st	301·1	*299·6*	−0·2	2	−
928	Barra do Corda	5 30	45 16	81·0	1001·1	1010·3	+ 0·1	307·3	310·0	9th	295·2	292·1	5th	301·3	*300·4*	+0·6	31	−
929	Quixeramobim	5 16	39 15	207	988·1	1011·3	− 0·5	307·0	308·3	31st	297·7	296·4	3rd	302·3	*301·4*	+0·2	0	−
930	Fernando Noronha	3 50	W32 25	106	1000·9	1013·0	− 0·4	300·4	301·4	30th	296·5	294·7	10th	298·5	*298·1*	..	4	−
939	Loanda	8 49	E 13 13	59·3	..	1012·5	+ 0·3	297·7	299·9	29th	294·5	293·0	10th	296·1	296·0	−0·3	2	−
940	Brazzaville	4 17	15 16	320	975·2	1011·4	− 0·6	305·8	311·0	4th	293·7	292·0	18, 23, 24	299·8	*299·0*	+0·9	114	+
943	Masaka	0 21	31 47	?1280	..	..	..	299·2	301·3	26th	288·7	287·4	10th	293·9	*291·9*	−0·7	31	+
944	Nairobi	1 14	36 44	1800	..	..	..	298·0	300·2	7th	285·2	278·6	22nd	291·6	*291·0*	0·0	87	+
944*a*	Zanzibar	6 10	39 11	21·9	1015·0	1017·5	+ 1·0	301·1	303·1	27th	296·6	295·7	8th, 13th	298·8	*298·1*	−0·5	147	−
945	Lamu	2 16	40 50	3·1	..	..	..	304	304·1	1st	294·7	294·1	1st	299·4	*298·8*	−0·5	3	−
947	Seychelles, Port Office	4 37	55 27	4·6	1012·7	1013·3	+ 1·0	301·1	301·9	..	298·2	296·3	..	299·6	*298·8*	+0·4	232	+
957	Padang	0 56	100 22	6·7	..	1011·5	+ 0·5	302·8	304·0	14th	296·3	294·9	1st	299·5	298·9	..	427	−
958	Batavia	6 11	106 50	8·0	1010·1	1011·0	+ 0·7	304·8	306·1	18th, 22nd	296·6	295·4	1st	300·7	300·3	+0·8	16	+
958*a*	Pontianak	0 1	109 20	2·6	..	1010·9	+ 0·5	303·9	305·7	3rd	296·1	294·9	11th	300·0	299·0	..	386	−
959	Passeroean	7 38	112 55	5·0	..	1011·5	+ 1·2	305·0	306·9	18th	294·8	292·6	19th	299·9	300·5	0·0	0	−
960	Kajoemas	7 56	114 9	1060	..	..	..	301·2	304·5	4th	291·4	289·9	30th	296·3	295·1	..	5	−
962	Ambon	3 42	128 10	4·2	..	1011·1	+ 1·4	302·7	304·6	21st	295·8	292·8	9th	299·3	298·8	+0·3	76	+
963	Manokwari	0 52	134 20	19·0	..	1008·8	− 0·1	304·7	306·6	14th	296·4	294·7	24th	300·5	300·0	..	159	−
965	Daru	9 4	143 13	7·6	..	1009·7	− 1·6	302·6	..	..	..	..	..	..	‡301·2	+0·5	18	+
966	Port Moresby	9 29	147 9	39·0	..	1012·5	+ 1·0	302·3	..	..	296·0	..	..	299·1	*298·7*	−0·5	27	+
967																		
968	Rendova	8 30	157 12	1·8	1010·7	1010·9	+ 1·1	..	..	..	..	..	..	..	..	..	300	+
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1010·7	1010·9	+ 0·9	304·0	306·8	22nd	297·8	296·1	2nd	300·9	*300·7*	+0·6	241	+
970	Ocean Island	0 52 S.	169 35 E.	20·0	1005·8	1008·2	− 0·2	303·9	305·8	23, 24, 25	297·4	295·8	7, 8, 16	300·7	*299·9*	−0·3	199	+

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1002	Apia, Samoa	13 48	171 46	2	..	1012·0	+ 0·8	303·0	304·0	25th	296·1	294·0	18th	299·5	299·4	+0·5	84	−
1003	Alofi, Niue Island	19 2	169 55	36·6	..	..	..	302·0	304·7	26th, 27th	294·9	292·4	4, 11, 23	298·4	*298·2*	..	63	−
1007	Makatea	15 47	148 14	47	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1021	Arequipa	16 22	71 33	2451	760·9	..	− 0·3	294·6	295·7	12th, 17th	281·1	277·4	30th	287·8	*286·9*	+0·4	0	
1022	Puerto de Arica	18 28	70 20	5	..	..	..	292·5	293·0	sev. dates	286·4	286·0	18th	289·5	*291·0*	+0·6	0	
1023																		
1024	Sucre, Bolivia	19 30	64 24	2848	728·1	..	..	290·6	296·8	24th	280·3	273·6	3rd	285·5	*285·7*	..	42	+
1025	Corumba	18 59	57 39	116	996·3	1009·8	..	304·6	311·0	6th	293·6	285·2	2nd	299·1	*298·2*	−0·7	158	+
1026	Cuyaba	15 36	56 6	165	990·1	1008·8	− 0·7	304·4	308·0	6th	297·8	292·2	2nd	301·1	*301·0*	+0·1	95	+
1027	Bello Horizonte	19 55	43 55	857	918·0	1013·7	− 0·3	298·1	302·4	8th	290·4	286·6	17th	294·3	*293·6*	−0·8	201	+
1028	Caetite	14 3	42 37	900	915·1	1013·7	+ 0·3	300·2	304·0	9th	290·3	288·5	9th, 28th	295·3	*296·0*	−0·2	126	+
1029	Ondina (Bahia)	13 0	38 31	46·6	1008·7	1014·0	− 0·1	301·0	303·2	27th	294·8	293·9	29th	297·9	*297·6*	+0·1	84	+
1030	Aracaju	10 55	37 3	4·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1035	St. Helena	15 57	W 5 40	632	946·0	1017·9	− 0·2	292·7	296·3	14th, 31st	285·2	283·6	2nd	288·9	*288·7*	+1·0	25	−
1042	Gwelo	19 27	E 29 49	1417	861·7	..	− 0·5	306·4	309·1	..	285·8	283·6	..	296·1	..	+1·6	0	+
1043	Salisbury, Rhodesia	17 49	31 3	1457	856·9	..	− 0·7	305·3	308·0	1st	287·6	284·7	7th	296·4	..	+1·9	32	+
1044	Zomba	15 23	35 18	‡945	907·6	1011·1	− 1·0	305·6	310·2	31st	291·3	286·3	29th	298·5	*298·4*	+2·1	0	−
1045	Tananarive	18 55	47 32	1400	866·8	..	+ 1·0	300·3	303·9	26th	285·2	281·7	9th	292·8	*291·8*	+0·3	19	−
1046	Sainte-Marie	17 0	49 51	15	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1055	Cocos Keeling Is.	12 5	96 53	4·6	1015·0	1015·5	+ 1·9	301·7	302·6	27th	296·7	294·7	25th	299·2	..	−0·4	36	−
1056																		
1057	Christmas Island	10 25	105 43	5·5	1010·7	1011·3	+ 1·1	304·7	305·8	..	296·4	294·7	..	300·6	*300·1*	+0·4	3	−
1058																		
1061	Koepang	10 10	123 34	45·1	..	1012·0	+ 1·3	306·1	307·6	5th	294·4	291·7	4th	300·3	299·9	..	0	−
1061*a*	Derby	17 18	123 40	16·2	1010·4	1012·3	+ 0·9	307·1	314·9	13th	296·9	293·6	12th	302·0	..	−0·1	0	−
1062	Hall's Creek	18 13	127 46	374	970·3	1010·9	0·0	311·7	314·2	28th	292·8	284·7	3rd	302·3	*301·7*	+0·6	0	−
1063	Darwin	12 28	130 51	29·6	1007·0	1010·9	+ 0·7	306·9	308·8	2nd	298·7	296·6	5th	302·8	*301·7*	+0·2	16	+
1064	Daly Waters	16 16	133 23	211	986·1	1009·2	− 0·6	311·2	315·2	26th, 27th	292·9	284·7	3rd, 4th	302·1	*301·5*	−0·8	26	+
1065	Mein	13 13	142 47	122	997·2	1010·8	+ 0·1	307·1	312·2	15th	292·6	287·3	14th	299·9	..	−0·4	0	−
1066	Georgetown, Queensland	18 22	143 32	302	979·5	1012·8	+ 0·6	308·8	312·7	27th	290·2	282·9	10th	299·5	..	−1·1	0	−
1067	Samarai	10 37	150 40	15·2	..	1011·0	− 0·4	301·6	..	..	296·3	..	..	298·9	*298·7*	−0·1	165	−
1072	Suva, Fiji	18 8 S.	178 26 E.	16·8	..	1015·0	+ 0·4	301·4	302·7	22nd	294·3	289·8	15th	297·8	*297·6*	+0·4	149	+
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 112 and 113. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 112 and 113

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	6	..	..	..	..	..	..	..	..	..	..	..	..	293	+
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1014·2	1017·4	+ 0·7	289·5	291·0	5th, 26th	284·0	281·6	14th	286·7	*286·6*	+0·2	1	+
1122	Iquique	20 12	70 11	9	..	..	..	294·8	296·4	27th	289·3	287·2	30th	292·1	*290·6*	+0·3	0	
1123	Catamarca	28 27	65 47	510	..	1009·5	− 1·1	302·4	309·5	20th	287·8	279·4	1st	295·1	295·3	−0·2	35	+
1124	Salta	24 46	65 28	1178	?881·8	?1010·6	− 0·6	298·5	306·6	16th	..	..	..	..	291·8	−0·4	33	+
1125	Goya	29 9	59 15	26	..	1014·2	+ 0·6	299·9	307·0	12th	286·9	279·8	4th	293·4	293·1	+0·3	99	−
1126	Asuncion	25 21	57 37	95	‡1002·4	‡1013·5	− 0·8	302·5	311·3	6th	289·8	280·4	4th	296·1	295·8	0·0	230	+
1127	Curityba	25 25	49 17	908	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1128	Rio de Janeiro	22 54	W43 10	61·4	1007·8	1014·9	0·0	297·3	305·0	22nd	292·6	288·1	1st	294·9	294·7	−0·1	106	+
1139	Windhoek	22 35	E 17 5	1680	..	..	..	299·8	303·4	18th	287·6	283·0	4th	293·7	*293·9*	−0·6	42	+
1140																		
1141	Kimberley	28 42	24 47	1202	882·1	..	− 0·1	299·9	305·2	17th	284·8	278·5	9th	292·3	292·3	+0·5	88	+
1142	Johannesburg	26 11	28 4	1806	824·3	..	+ 0·2	295·9	301·4	19th	285·4	280·4	15th	290·7	*290·4*	+0·7	124	+
1143	Pretoria (Brooklyn)	25 46	28 13	1400	863·5	..	+ 0·4	299·2	304·0	23rd	286·9	282·8	15th	293·1	*292·8*	+0·5	79	..
1143	Durban	29 52	31 3	15·2	1015·2	1017·0	− 2·0	297·5	300·8	3rd	291·2	287·4	26th	294·3	*293·7*	+1·4	47	−
1144	Lorenzo Marques	25 58	32 36	59	..	1015·5	− 0·8	302·3	311·7	24th	292·1	288·3	29th	297·2	296·7	+1·2	5	−
1147	Mauritius	20 6	57 33	55·2	1011·9	1018·4	+ 0·2	299·6	302·6	30th	291·3	288·6	13th	295·5	295·0	−0·2	35	
1159	Onslow	21 43	114 57	4·3	1012·4	1013·3	+ 0·6	304·6	311·7	4th	288·6	285·8	11th	296·6	..	−0·3	0	−
1160	Peak Hill	25 38	118 47	588	945·4	1010·5	− 1·5	303·0	308·8	14th	288·4	282·4	6th	295·7	..	+0·5	0	−
1161	Nullagine	21 53	120 5	386	968·6	1010·7	− 0·8	309·5	313·3	20th	290·4	285·8	9th, 13th	300·0	..	+1·1	0	−
1162	Laverton	28 40	122 23	466	960·6	1013·4	− 1·1	301·8	309·7	15th, 27th	287·2	278·3	7th	294·5	*294·4*	+1·6	0	−
1163	Alice Springs	23 38	133 37	587	947·1	1011·2	− 0·9	306·4	313·0	22nd	289·1	279·7	8th	297·8	*297·8*	+1·9	0	−
1164	William Creek	28 55	136 21	76·2	1004·9	1013·6	− 0·8	303·3	316·3	22nd	287·0	279·1	5th	295·1	*294·8*	+0·8	0	−
1165	Boulia	22 55	139 38	146	995·2	1011·5	− 0·2	308·2	316·2	23rd	290·2	283·0	3rd	299·2	*299·2*	0·0	1	−
1166	Thargomindah	27 58	143 43	123	998·7	1012·7	..	304·0	311·8	29th	288·9	280·3	6th	296·5	*296·2*	..	8	−
1166	Mitchell	26 32	147 52	336	975·3	1012·5	..	304·6	311·8	28th	283·4	274·1	3rd	294·0	..	+0·5	14	−
1167	Rockhampton	23 24	150 30	11·3	1012·5	1013·7	− 1·8	305·5	312·3	28th	291·3	286·7	15th	298·4	..	+1·5	0	−
1168	Brisbane	27 28	153 2	38·1	1009·8	1014·2	− 2·1	301·7	310·8	28th	289·1	284·9	3rd	295·4	*294·4*	+1·4	29	−
1169	Cuitchambo	21 52	166 3	38	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1170	Norfolk Island	28 58 S.	168 3 E.	15·2	1014·0	1015·9	− 1·8	294·3	298·1	28th	288·4	283·6	22nd, 25th	291·4	..	+0·2	133	+

Between Latitude 30° S. and 40° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1221	Juan Fernandez	33 37	78 50	10	..	..	..	287·8	289·9	8th	282·9	281·9	19th	285·3	*285·9*	−0·5	32	−
1221*a*	Punta Tumbes	36 37	73 6	91	‡1007·0	‡1018·1	− 0·2	287·4	289·0	8th, 21st	280·4	277·0	9th	283·9	*284·0*	−1·0	20	+
1222	Punta Angeles, Valparaiso	33 1	71 38	41	1012·2	1017·1	− 0·7	290·6	293·8	10th	282·5	279·8	10th	286·5	*286·2*	−1·0	2	−
1222*a*	Santiago	33 27	70 42	520	955·8	1016·5	− 0·1	294·3	299·6	25th	280·3	276·5	6th	287·3	*286·1*	−0·3	7	−
1223	Cordoba	31 25	64 12	423	964·8	1013·9	+ 0·2	297·3	305·1	..	283·2	275·4	..	290·3	289·9	−0·5	133	+
1224	Bahia Blanca	38 45	62 15	25	..	1015·6	+ 0·4	293·6	301·3	8th	281·8	272·0	1st	287·7	288·0	0·0	119	+
1225	Buenos Ayres (Chacarita)	34 36	58 22	25	..	1016·7	+ 0·3	293·4	298·6	9th	283·4	273·6	26th	288·4	288·3	−1·8	9	−
1226*a*	Montevideo (Prado)	34 52	56 12	24·9	1014·3	1017·3	+ 0·4	292·8	298·6	17th	282·2	271·8	3rd	287·5	287·6	−0·3	4	−
1226	Porto Alegre	30 2	W51 13	23·5	1013·4	1016·2	− 0·3	295·3	301·9	21st	287·0	277·0	1st	291·1	290·8	−0·4	67	−
1239	Cape Town	33 56	E 18 29	12·2	..	1016·7	− 0·8	294·1	301·8	27th	285·3	277·9	4th	289·7	*288·7*	+0·5	44	+
1240	Danger Point	34 37	19 18	27·7	1013·3	1016·6	..	291·6	296·3	28th	285·7	275·2	3rd	288·7	..	..	53	..
1241	Riversdale	34 6	21 16	?61	1004·5	..	..	296·0	303·6	28th	284·6	277·4	4th	290·3	..	..	40	..
1242	East London	33 1	27 54	9·8	1014·5	1015·7	− 1·4	295·6	308·0	4th	288·6	283·0	9th	292·1	..	+1·7	50	− 53
1259	Perth (Observatory)	31 57	115 51	60·0	1009·2	1016·6	− 0·3	293·3	304·1	14th	284·6	279·2	3rd	288·9	*288·7*	−0·2	74	+ 20
1260	Katanning	33 42	117 35	310	978·9	1015·3	− 0·4	293·2	303·7	15th	280·4	274·9	3rd	286·8	..	−0·1	28	− 12
1261	Coolgardie	30 57	121 10	423	965·6	1013·9	− 1·0	298·4	309·1	15th	283·6	277·3	7th	291·0	*290·9*	+0·4	4	− 15
1262	Eucla	31 45	128 58	4·6	1013·2	1013·8	− 1·4	295·7	311·9	16th	284·6	278·7	15th	290·1	*289·6*	+0·1	14	− 4
1263	Streaky Bay	32 48	134 13	13·1	1014·5	1016·0	+ 0·2	295·7	304·7	16th	284·6	277·4	5th	290·1	*289·5*	+0·2	38	+ 14
1264	Adelaide	34 56	138 35	42·7	1009·4	1014·5	− 1·4	294·2	304·0	29th	283·7	276·3	5th	288·9	*288·6*	−0·7	66	+ 22
1265	Melbourne	37 49	144 58	35·1	1008·5	1012·7	− 2·0	291·3	299·2	19th	281·6	273·1	3rd	286·4	*286·2*	−0·8	60	− 6
1266	Bourke	30 13	145 58	110	1003·5	1016·1	+ 1·2	302·7	311·9	19th	285·1	275·2	3rd	293·9	..	−0·5	4	− 22
1267	Sydney	33 52	151 13	44·5	1007·7	1012·8	− 2·3	295·2	306·1	30th	284·9	278·7	3rd	290·1	*289·3*	−0·4	20	− 55
1268	Lord Howe Island	31 20	159 0	4·6	1013·4	1014·1	− 2·7	294·9	300·2	31st	287·1	283·4	27th	291·0	..	−0·3	110	− 29
1271	Auckland	36 50	174 50	38·1	..	1012·5	..	290·0	292·4	29th, 30th	283·8	278·8	20th	286·9	..	−0·2	205	+114
1272	Napier	39 32 S.	176 53 E.	21·3	..	1010·9	− 2·0	291·2	296·6	22nd	282·1	275·2	21st	286·7	..	−0·5	135	+ 71

Between Latitude 40° S. and 50° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1301	Chatham Island	43 52	176 42	104	..	..	..	..	..	..	..	..	..	..	..	..	75	+ 17
1321	Isla Huafo	43 34	74 45	140	999·9	1017·0	− 1·1	..	..	..	279·1	276·7	23rd	..	*281·2*	..	73	+ 18
1322	Punta Galera	40 1	73 44	40	1013·8	1018·7	+ 0·1	284·9	286·8	20th	280·2	277·5	9th	282·5	*283·2*	−0·9	107	0
1323	Sarmiento	45 30	69 0	274	..	1011·4	..	291·6	300·0	15th	278·3	273·0	1st	284·9	284·6	+0·2	2	− 3
1324	Puerto Madryn	42 49	W64 58	14	..	1013·2	..	293·2	301·2	18th	280·3	273·8	1st, 3rd	286·7	286·4	+0·1	63	+ 47
1365	Launceston	41 27	E147 10	10·1	1007·2	1008·4	−3·0	289·7	296·8	11th	279·1	272·6	3rd	284·4	*283·6*	−0·7	67	− 1
1366	Hobart	42 53	147 20	53·9	1001·1	1007·6	−2·8	287·8	296·6	11th	279·7	274·2	3rd	283·7	*282·9*	−1·5	80	+ 23
1370	Invercargill	46 25	168 21	5·5	..	..	..	288·1	293·0	14th, 15th	277·9	273·0	11th, 25th	283·0	..	−0·6	63	− 58
1371	Dunedin	45 52	170 31	91·4	..	1007·2	− 1·4	288·3	295·2	17th	279·1	274·1	31st	283·7	..	+0·3	48	− 29
1371*a*	Christchurch	43 31	172 38	7·6	..	1007·4	− 2·8	290·3	296·5	18th	279·8	274·7	11th	285·1	..	+0·4	33	− 9
1372	Wellington	41 16 S.	174 46 E.	2·4	..	1009·2	− 2·4	288·7	293·9	9th	282·7	276·4	12th	285·7	..	+0·3	165	+ 60
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 113 and 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 113 and 114.

OCTOBER—ZONE 14.

Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal.	Temperature. Mean Max. A.	Absolute Max.	Date.	Mean Min. B.	Absolute Min.	Date.	Mean of A and B.	†24 hr. Mean. *	Diff. from Normal.	Precipitation. Total.	Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	995·5	1002·3	− 2·4	280·2	284·2	17th	277·2	274·2	24th	278·7	*278·6*	0·0	247	−
1422	Puerto de Punta Arenas	53 10	70 54	4	1000·7	1001·2	− 1·9	285·3	290·5	15th	275·9	270·5	14th	280·6	*280·8*	+1·2	24	−
1423	Punta Dungeness	52 24	68 26	5	1002·4	1003·0	− 0·5	283·2	286·8	2nd	277·3	274·6	9th	280·3	*279·8*	0·0	9	−
1424	Santa Cruz	50 11	68 21	12	..	1005·6	− 1·9	290·1	297·0	27th	278·0	273·2	25th	284·1	283·5	+1·1	5	−
1424a	Año Nuevo	54 39	64 9	50	993·6	999·7	− 0·9	280·9	283·4	18th	276·5	272·2	24th	278·7	278·6	+1·3	21	−
1425	Stanley, Falkland Is.	51 41	57 51	4	..	..	..	..	..	..	..	..	..	..	..	..	45	+
1426	Cape Pembroke	51 41	57 42	21	..	1006·6	+ 2·5	281·4	288·6	21st	275·9	273·0	24th, 25th	278·7	278·6	+0·1	..	..
1429	S. Georgia (Cumberland Bay)	54 14 S.	36 33 W.	4	1005·0	1005·5	+ 4·9	281·5	288·3	20th	273·3	268·2	28th	277·4	277·7	+2·1	65	−

OCTOBER—ZONE 15.

Between Latitude 60° S. and 70° S.

1527	South Orkneys	60 44 S.	44 39 W.	7	992·3	993·2	− 0·1	274·8	277·8	16th	270·3	267·0	9th	272·5	272·5	+3·3	23	−
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 115.

† Estimates not based on at least six equally-spaced observations each day are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—OCTOBER 1918.

Date.	St. Helena. 1035. Direction.	St. Helena. 1035. ††Mean Velocity for the Day.	Fanning Island. 805. Direction.	Sierra Leone. 834. Direction and Force (Beaufort).	Entebbe. 844. Direction and Force (Beaufort).	Malden Island. 905. Direction and Force (Beaufort).	Tulagi. 969. Direction and Force (Beaufort).	Ocean Island. 970. Direction and Force (Beaufort).	Suva, Fiji. 1072. Direction and Force (Beaufort).
	9h.	m/s	17h.	9h. 17h.	7h. 21h.	9h.	9h.	9h. 21h.	9h.
1	SSE	9·3	..	SE 2 Calm 0	Calm 0 Calm 0	SE 4	SE 6	E 4 E 2	NE 2
2	SSE	—	..	Calm 0 SE 1	W 2 E 3	SE 3	Calm 0	E 3 E 2	E 2
3	SE	—	..	NE 1 N 1	W 1 W 1	SE 3	SE 4	E 3 E 1	SE 2
4	SE	12·0	..	NE 2 NW 2	W 1 W 2	E 3	SE 2	E 3 E 3	E 2
5	SE	9·6	..	SW 2 SE 1	W 1 W 2	SE 3	SE 2	E 3 NW 4	Calm 0
6	SE	—	..	SE 1 W 1	W 2 SE 3	SE 3	Calm 0	W 4 W 4	E 2
7	SE	—	..	E 3 NE 2	Calm 0 Calm 0	SE 3	SE 6	WSW 5 W 5	SE 2
8	SE	5·4	..	NE 3 E 3	W 1 W 2	SE 2	SE 6	WNW 4 W 4	SE 2
9	SE	5·9	..	E 2 NE 2	Calm 0 W 1	SE 2	SE 6	SW 4 NW 4	SE 2
10	SE	6·1	..	NE 4 NE 4	E 2 Calm 0	SE 3	Calm 0	W 6 W 4	SE 2
11	SE	8·6	..	Calm 0 Calm 0	Calm 0 W 1	SE 3	SE 6	W 4 N 5	S 2
12	SE	9·1	..	Calm 0 SW 1	E 1 W 2	SE 3	SE 4	W 5 W 5	Calm 0
13	SE	9·0	..	E 5 NE 3	W 1 W 2	SE 3	SE 4	W 5 W 6	Calm 0
14	SE	7·0	..	NE 4 NW 3	SW 1 Calm 0	SE 3	Calm 0	W 5 W 5	SE 2
15	SE	6·4	..	E 3 NE 3	W 1 W 1	SE 3	Calm 0	SW 6 SW 5	SE 2
16	SE	9·7	..	Calm 0 SE 2	W 1 W 2	SE 2	SE 2	SW 4 S 3	S 2
17	SE	—	..	Calm NE 3 NW 2	W 1 W 2	ENE 1	SE 6	SE 3 W 5	SE 2
18	SE	—	..	Calm E 2 NE 3	W 1 E 1	NE 1	SE 8	E 3 E 3	SE 2
19	SE	—	..	N SE 1 Calm 0	W 1 E 1	SE 1	SE 4	E 2 Calm 0	E 2
20	SE	—	..	Calm Calm 0 Calm 0	W 1 W 1	SE 1	SE 4	S 2 S 5	SW 2
21	SE	—	..	SE NE 1 NW 2	E 1 W 1	ESE 1	Calm 0	S 3 SSW 5	NE 2
22	SSE	—	..	S E 4 NE 3	W 1 W 2	SE 2	SE 2	SW 5 SW 4	SE 2
23	SSE	—	..	Calm E 5 E 4	W 1 E 2	SE 2	SE 2	SW 5 S 3	SE 2
24	SSE	—	..	Calm NE 2 NE 2	SW 1 W 2	SSE 2	SE 2	SW 5 S 3	E 2
25	SE	—	..	W SW 2 SW 1	E 2 W 2	SE 2	SE 6	S 3 S 2	N 2
26	SE	—	..	Calm NE 2 NW 1	W 1 W 2	SE 3	SE 2	NNW 3 N 3	SW 2
27	SSE	8·0	..	SE Calm 0 Calm 0	SW 1 W 2	SE 3	SE 6	E 2 E 2	SE 2
28	SSE	7·1	..	SE NE 2 NW 1	W 1 W 2	ESE 3	Calm 0	E 1 E 2	E 2
29	SE	6·6	..	SE Calm 0 Calm 0	W 2 W 1	SE 3	SE 2	ESE 1 E 1	SE 2
30	SSE	5·6	..	SE E 2 NE 2	NW 1 W 2	SE 2	SE 2	SE 1 E 1	E 2
31	SSE	—	..	SE E 1 E 2	Calm 0 Calm 0	SE 2	SE 2	NE 2 Calm 0	E 2
				NE 3 NE 2	W 1 W 1	SE 3	SE 4	NNE 1 Calm 0	SE 2
							SE 6	ENE 1 Calm 0	
††Mean	..	(7·8)	..	2·0 1·7	1·0 1·4	2·4	3·1	3·3 3·0	
§Resultant	140° (95)	..	135° (68)	60° (43)	270° (56)	130° (93)	135° (77)	170° (14)	120° (15)
§Normal	145° (92)	8·7	‖131° (72)	261° (15)	245° (33)	85° (83)	136° (83)	115° (38)	100° (15)

†† Mean velocity of the South-East Trade Wind at 632 metres.
§ Direction and "constancy." For explanation *see* Introduction
‖ Normal refers to ½ (9 + 21).

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—OCTOBER 1918.

‡‡ *Spitsbergen.*—Owing to the NE. to E. winds of September an ice belt about 20 miles wide formed a curve along the west coast from South Cape to Prince Charles Foreland. On the 20th, Green Harbour froze up. During the winter the ice here often broke up only to freeze again immediately.

‡‡ *Iceland* was ice free, as usual in this month.

‡‡ *Denmark Strait.*—Bay ice was rather thick off Angmagsalik in the first days of the month but soon broke up again.

North Atlantic and Labrador.—A few icebergs over 200 ft. high were reported off the Newfoundland Banks.

‡‡ *Davis Strait.*—The west coast of Greenland was free from ice except for a little "Storis" observed for a few days between Arsuk and Frederikshaab. Winter ice began to form at Umanak in the middle of the month. Icebergs were observed in Julianehaab Bay.

‡‡ *Baffin Bay and Smith Sound.*—The whole of Wolstenholme Sound was covered with ice but it was not until the 27th that sledges could pass outside Cape Atholl to Cape York, where there was old ice.

‡‡ *Isforholdene i de Arktiske Have*, 1918, 1919, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, NOVEMBER 1918.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF NOVEMBER 1918 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N.

NOVEMBER—ZONE 1.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal.	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr Mean *	Diff. from Normal.	Precipitation. Total.	Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
105	Barrow	71 23	156 17	6·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
123	Inglefield Bay	77 20	67 30	?	..	..	..	..	..	..	..	..	..	..	..	..	..	..
124	Upernivik	72 47	W56 7	18·9	1008·6	1011·1	+ 2·1	260·6	272·3	27th	255·7	250·5	30th	258·1	*257·8*	−5·3	30	+ 6
125	Spitsbergen (Green Harbour)	78 2	E 14 14	11·4	1003·3	1004·8	− 2·4	..	275·8	4th	257·8	244·4	21st	..	262·1	+2·4	27	− 3
139	Gjesvaer	71 6	25 22	6·5	1005·0	1005·8	+ 0·7	..	280·7	2nd	272·6	263·2	20th	..	*274·6*	+3·1	92	+ 21
140	Mehavn	71 1	27 47	6·4	1005·4	1006·2	+ 2·7	..	279·6	3rd	271·8	262·6	20th	..	*274·2*	+3·1	65	− 11
141	Vardö	70 22	31 8	10·0	1007·1	1008·4	+ 2·2	..	279·0	1st	271·7	264·2	20th	..	*273·7*	+2·8	42	− 20
142	Malye Karmakouly	72 23	52 43	14·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
143	Waigatz	70 24	58 47	11·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
147	Mandhavn	77 33 N.	105 40 E.	2·5	1013·6	1014·0	+ 6·4	..	265·4	6th	244·6	234·5	22nd	..	*245·3*	..	..	..

Between Latitude 70° N. and 60° N.

NOVEMBER—ZONE 2.

202	Gambel	63 51	171 35	6·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
203	Nome	64 30	165 24	6·7	..	1007·4	+ 1·1	261·0	272·4	1st	252·5	241·9	23rd	256·8	*256·7*	−7·3	2	− 22
204	Candle	65 55	161 57	2·4	..	..	..	252·8	259·7	9th	240·4	235·2	17th	249·6	..	..	..	..
205	Tanana	65 10	152 6	67·1	..	1005·4	− 4·3	255·0	269·7	24th	248·6	233·0	16th	251·8	*252·2*	−2·5	8	− 7
206	Rampart	65 30	150 15	122	..	..	..	255·3	268·0	24th	247·1	229·7	17th	251·2	..	..	21	+ 5
207	Valdez	61 7	146 16	8·2	..	997·9	− 5·3	272·8	279·1	21st	267·2	254·1	17th	270·0	*269·9*	+0·3	114	+ 12
208	Eagle	64 46	141 12	254	..	1006·1	− 5·3	259·2	279·7	24th	251·3	230·8	29th	255·3	..	−1·5	24	+ 12
209	Dawson	64 4	139 20	328	964·8	1007·2	− 5·0	260·2	279·1	24th	254·7	238·0	18th	257·4	..	+1·6	38	+ 8
210	Carcross	60 11	134 34	662	..	..	..	271·1	278·0	24th	263·5	248·0	18th	267·3	..	+2·2	21	− 4
211	Fort Good Hope	66 25	128 53	65·2	1005·6	1014·7	..	250·8	258·6	25th	243·6	229·1	30th	247·2	..	..	12	− 17
212	Fort Simpson	61 52	121 35	129	993·1	1010·2	..	261·9	279·1	7th, 23rd	254·7	244·1	19th	258·3	..	+3·5	22	− 1
213	Hay River	60 51	115 20	161	989·3	1010·2	..	267·4	280·2	7th	258·0	244·1	19, 20, 29	262·7	..	+4·1	14	..
225	Jacobshavn	69 13	51 2	12·6	1005·9	1007·5	− 0·3	262·8	274·9	27th	257·4	251·7	8th	260·1	*260·0*	−4·3	7	− 9
226	Godthaab	64 11	51 43	9·0	1000·2	1001·4	− 2·0	268·3	274·8	26th	263·5	258·9	5, 7, 8	265·9	*266·3*	−2·2	..	..
227	Ivigtut	61 12	48 10	5·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
229	Angmagsalik	65 37	37 33	31·7	996·4	1000·4	− 2·9	269·9	277·1	28th	264·6	257·4	6th	267·3	*267·5*	−0·4	57	− 34
231	Stykkisholm	65 5	22 46	11·3	997·6	999·0	− 5·8	276·9	283·5	14th	271·9	262·5	9th	274·4	*274·4*	+0·9	95	+ 32
232	Vestmanno	63 26	20 15	7·7	?995·4	?996·4	− 7·5	?279·1	?282·4	13th, 14th	?273·8	?263·9	9th	?276·5	*?276·4*	+0·5	..	..
233	Grimsey	66 33	17 58	22	995·2	997·9	− 8·6	275·5	283·5	14th	270·9	262·5	9th	273·2	*273·2*	+0·2	..	..
233a	Akureyri	65 40	18 4	6·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
234	Berufjörd	64 40	14 19	18·0	997·4	999·6	− 5·6	277·1	281·9	21st	272·5	263·1	9th, 10th	274·8	*274·8*	+0·9	169	+ 58
235	Thorshavn	62 3	6 45	26·3	1001·0	1004·2	− 1·7	280·9	283·0	2nd, 20th	276·6	268·0	10th	278·7	*278·9*	+1·1	131	− 35
236	Lerwick	60 9	W 1 8	147	991·5	1009·4	+ 2·5	280·6	282·4	2nd	276·7	271·3	9th	278·7	*279·5*	..	82	..
237	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1009·6	1015·1	+ 4·1	281·0	288·2	2nd	276·8	273·2	19th	278·9	*278·8*	+1·8	127	− 51
239	Christiansund	63 7	7 45	17·8	1009·8	1011·9	+ 1·7	..	286·6	3rd	276·7	272·8	28th	..	*279·5*	+2·7	95	− 16
240	Trondhjem	63 26	10 25	39·5	1008·7	1013·6	+ 3·7	278·7	285·6	3rd	273·8	266·7	28th	276·3	*276·3*	+2·7	85	− 23
241	Bodö	67 17	14 24	22·4	1006·7	1009·4	+ 2·3	..	284·0	3rd	275·1	267·0	21st	..	*277·5*	+3·7	110	− 16
242	Haparanda	65 50	24 9	9·2	1013·1	1014·3	+ 4·3	275·8	279·5	6th	271·8	260·0	20th	273·8	*274·0*	+6·0	50	+ 3
242a	Helsingfors	60 10	24 57	11·7	1019·5	1020·9	+ 6·9	278·1	282·2	8th	274·5	263·4	21st	276·3	*276·3*	+2·9	21	− 41
243	Kuopio	62 54	27 40	90·3	1007·8	1019·2	+ 6·0	276·7	280·8	8th	272·3	261·7	21st	274·5	*274·5*	+4·2	43	− 4
244	Kola	68 53	33 1	6·7	1010·7	1011·6	+ 3·0	273·9	280·0	1st	268·5	255·7	25th	271·2	*271·5*	+5·0	24	0
245	Petrozavodsk	61 47	34 23	38·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
246	Arkhangelsk	64 35	40 36	6·2	1017·9	1018·7	+ 7·5	273·5	279·2	2nd	268·8	250·4	26th	271·2	*271·1*	+3·8	35	+ 4
247	Mezen	65 50	44 16	12·6	1014·7	1016·3	+ 7·1	272·4	278·0	7th	266·9	247·5	25th	269·6	*269·6*	+4·5	26	+ 10
248	Oust-Tsylma	65 25	52 14	? 70	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Tcherdyn	60 24	56 31	?177	998·8	1021·7	+ 4·3	269·3	275·4	2nd	264·5	246·8	26th	266·9	*266·7*	+4·1	56	+ 13
249	Berezov	63 56	65 4	39·9	1013·0	1018·3	+ 3·1	266·4	279·0	9th	257·9	242·9	26th	262·2	*262·1*	+4·1	66	+ 47
250	Obdorsk	66 31	66 35	23·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
251	Sourgout	61 15	73 24	? 40	1010·4	1015·7	− 2·5	..	275·5	10th	254·7	233·8	27th	..	*259·7*	+1·1	38	+ 17
252	Doudinka	69 23	86 4	20	1006·4	1009·0	− 4·2	..	272·2	14th	251·2	230·4	30th	..	*255·1*	..	18	..
253	Touroukhansk	65 47	87 57	45	1007·6	1013·6	− 3·1	..	267·8	9th	251·8	227·2	28th	..	*255·9*	+3·6	52	+ 32
262	Iakoutsk	62 1	129 43	108	1006·2	1021·3	−1·9	..	261·5	26th	242·3	223·4	16th	..	*247·2*	+3·0	9	− 1
263	Verkhoiansk	67 33	133 23	100	1003·9	1018·5	+ 1·8	..	257·4	11th	232·8	219·0	17th	..	*236·8*	+0·7	3	− 4
271	Markovo-sur-Anadyr	64 45	170 50	25·9	1015·9	1019·4	+ 6·9	..	..	..	245·5	229·8	23rd	..	‡*250·0*	−4·3	11	0
272	Novo-Mariinskii Post	64 45 N.	177 33 E.	23·5	1015·0	1018·1	+ 9·4	257·5	272·6	12th	251·2	240·7	20th	254·4	‡*254·4*	−4·4	3	− 4
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 105 and 106. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 105 and 106.

NOVEMBER—ZONE 3.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
301	Atka	52 12	174 20	7·6	..	..	..	..	..	..	..	..	..	..	..	..	130	..
302	St. Paul Island	57 15	170 10	6·1	..	999·3	− 3·9	272·6	281·9	12th	267·6	260·2	25th	270·1	..	..	36	..
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	997·6	− 4·3	275·7	280·2	11th	270·9	265·2	23rd	273·3	..	−1·4	117	..
304																		
305	Dillingham	59 0	158 28	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
306	Kodiak (Radio) *	57 46	152 22	6·1	..	993·9	− 6·4	276·3	279·7	5th, 20th	269·4	261·3	25th, 30th	272·8	..	..	153	..
309	Sitka	57 3	135 19	27·4	..	1002·0	− 3·6	280·6	287·4	3rd	274·4	267·4	18th	277·5	*277·6*	+0·8	435	..
310	Prince Rupert	54 18	130 18	51·8	997·8	1004·2	− 3·5	279·7	288·6	21st	275·2	270·8	20th	277·4	*277·2*	−0·7	259	..
311	Barkerville	53 2	121 35	1274	865·2	1013·9	− 2·2	273·6	276·3	1, 12, 23	266·3	259·1	21st	269·9	*269·8*	+1·6	112	..
312	Kamloops	50 42	120 29	385	974·1	1021·3	+ 1·0	279·1	286·3	10th	273·0	263·0	25th	276·1	*276·1*	+1·0	16	..
313	Calgary	51 2	114 2	1045	891·1	1013·5	− 3·5	281·9	293·6	30th	267·4	259·1	23rd	274·7	*273·6*	+4·8	3	..
314	Fort Chipewyan	58 42	111 10	218	983·4	1011·3	..	268·6	276·9	7th	260·2	246·9	30th	264·4	*264·6*	+3·0	50	..
315	Prince Albert	53 10	106 0	442	959·3	1013·9	− 1·7	275·8	286·3	14th	265·2	255·2	30th	270·5	*270·1*	+5·0	12	..
316	Qu'Appelle	50 30	103 47	645	936·2	1014·7	− 0·9	276·9	287·4	14th	265·2	256·3	23rd	271·1	*270·2*	+3·8	8	..
317	Minnedosa	50 15	99 50	515	951·6	1015·1	− 2·1	274·1	282·4	14th	265·2	254·7	22nd, 30th	269·7	*269·3*	+2·4	23	..
318	Berens River	52 18	97 23	216	..	..	..	273·1	277·4	2nd, 14th	267·2	245·8	30th	270·2	..	+3·8	27	..
318a	Port Nelson	57 4	92 36	14·9	1010·7	1012·6	− 2·0	268·0	275·8	2nd	260·2	237·4	30th	264·1	..	+1·1	20	..
319	Fort Hope	51 33	87 49	‡260	980·3	1012·8	..	272·4	281·9	14th	265·2	246·3	30th	268·8	*268·8*	+2·9	18	..
320	Moose Factory	51 14	80 30	9·1	1010·0	1011·2	− 3·7	275·8	284·7	15th, 16th	268·0	255·2	30th	271·9	..	+3·7	8	..
321	Fort George	53 50	79 5	97·5	..	..	..	272·1	278·6	9th	267·2	252·4	30th	269·6	*269·4*	..	..	..
322	Mistassini Post	50 15	73 55	383	..	..	..	272·1	278·0	10th	265·8	255·8	26th	268·9	..	+4·0	64	..
323	Hebron	58 12	62 21	15·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
324	Natashquan	50 8	61 48	?	..	..	..	273·8	281·9	2nd	265·8	251·9	22nd	269·8	..	−0·1	38	..
326	Belle Isle	51 53	55 23	133	990·8	1007·7	− 0·4	271·9	276·3	10th, 11th	264·7	255·2	27th	268·3	*268·9*	−2·2	56	..
334	Cahirciveen (Valencia Obs.)	51 56	10 15	13·7	1011·7	1013·4	+ 0·8	283·5	285·8	30th	279·6	273·0	19th	281·6	281·9	−0·1	145	..
335	Aberdeen	57 10	2 6	26·8	1009·4	1012·7	+ 3·1	280·7	285·2	2nd	275·9	271·3	13th	278·3	278·4	−0·3	48	..
336	Greenwich	51 28	W 0 0	46·3	1012·9	1018·6	+ 4·6	282·6	288·0	2nd	275·8	271·3	22nd	279·2	279·3	−0·4	51	..
337	Uccle	50 48	E 4 22	100	1006·7	1019·2	+ 4·3	281·0	288·2	1st	274·7	267·1	18th	277·8	277·8	−1·1	53	..
338	De Bilt	52 6	5 11	3·0	1019·3	1019·7	+ 5·1	280·8	285·6	2nd	273·9	268·5	17th	277·3	277·3	−0·4	47	..
338a	Hamburg	53 33	9 58	26·0	1017·7	1020·9	+ 6·1	279·9	286·0	8th	275·0	268·5	24th	277·5	*277·1*	−0·3	15	..
339	Copenhagen	55 41	12 36	5·0	1020·3	1020·9	+ 7·6	279·6	283·7	6th	277·1	270·8	24th	278·3	*278·6*	+0·8	19	..
340	Potsdam	52 23	13 4	84·9	1011·2	1021·9	+ 6·4	278·9	287·8	5th	273·3	266·8	23rd, 24th	276·1	275·6	−0·8	16	..
340a	Upsala	59 51	17 38	24	1016·1	1019·1	+ 6·4	277·1	282·2	9th	272·9	258·1	21st	275·0	275·1	+2·2	42	..
341	Warsaw	52 13	21 1	133	1007·6	1024·3	+ 7·2	277·6	288·2	6th	273·8	265·2	22nd	275·7	275·2	+0·4	20	..
342	Dorpat (Jurjev)	58 23	26 43	74·5	1014·6	1024·1	+11·1	276·9	283·3	7th	272·7	265·8	21st	274·8	274·8	+2·4	17	..
343	Petrograd	59 56	30 16	4·8	1022·0	1022·6	+ 8·4	276·6	282·2	7th, 8th	273·1	263·3	21st	274·8	*274·8*	+3·2	21	..
344	Kiev	50 27	30 30	183	1004·3	1027·5	+ 8·5	275·4	283·7	6th	271·2	260·0	22nd	273·3	*273·1*	−0·9	65	..
344a	Moscow	55 50	37 33	167	1007·6	1029·0	+11·4	273·8	280·5	9th	268·9	261·2	22nd	271·4	*271·3*	+0·7	10	..
345	Saratov	51 32	46 3	59·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
346	Kazan	55 47	49 8	79·9	1019·2	1029·6	+10·2	271·5	278·3	8th	267·0	252·0	27th	269·2	*269·3*	+0·2	21	..
347	Orenburg	51 45	55 6	109	1017·4	1031·6	+ 8·1	272·3	281·7	9th	266·0	249·4	27th	269·2	*269·0*	+0·3	11	..
348	Perm	58 1	56 16	163	1004·3	1025·4	+ 6·6	270·0	275·5	1st, 2nd	264·4	248·2	26th	267·2	*267·2*	+1·0	61	..
349	Ekaterinburg	56 49	60 38	281	987·8	1023·7	+ 3·1	269·9	276·8	3rd	264·8	248·6	26th	267·4	*267·1*	+1·5	22	..
350	Tobolsk	58 12	68 14	?108	1006·7	1020·9	+ 2·7	268·5	275·6	1st	260·9	242·4	27th	264·7	*264·5*	+1·5	33	..
351	Akmolinsk	51 12	71 23	?347	983·6	1028·4	+ 0·5	..	272·2	22nd	259·8	245·5	27th	..	*263·9*	−1·8	8	..
352	Omsk	54 58	73 23	90	..	..	..	..	..	..	..	..	..	..	*264·9*	+1·4	19	..
353	Barnaoul	53 20	83 48	162	1006·3	1027·5	− 0·7	267·8	277·3	23rd	260·2	247·4	28th	264·0	*264·2*	−0·3	100	..
354	Tomsk	56 30	84 58	122	1005·4	1021·5	− 2·8	..	273·3	23rd	259·7	242·9	28th	..	*263·3*	+1·5	84	..
355	Minousinsk	53 43	91 41	249	995·5	1027·8	− 1·1	..	275·4	17th	259·4	251·5	8th	..	*264·7*	..	..	..
356	Eniseisk	58 27	92 10	77·6	1010·0	1020·2	− 3·7	..	275·1	23rd	259·7	244·9	29th	..	*263·3*	+3·0	27	..
357	Irkutsk	52 16	104 19	467	967·4	1027·8	− 0·8	..	271·9	19th	256·0	239·6	30th	..	*260·8*	−1·5	15	..
358	Kirensk	57 47	108 7	263	..	..	..	..	..	..	..	..	..	..	..	..	..	..
359	Tchita	52 2	113 30	687	937·0	1025·2	− 1·2	..	270·4	16th	250·3	237·7	24th	..	*256·9*	−1·7	4	..
360	Nertchinskii Zavod	51 19	119 37	626	943·6	1024·6	− 0·8	..	268·2	19th	250·3	241·9	10th	..	*255·4*	−1·9	8	..
361	Tygan Ourkan	54 5	124 46	379	969·8	1019·6	..	262·3	267·8	12th	248·5	235·1	30th	255·4	*255·4*	..	24	..
362	Blagoveshchensk (Bureau Météor.)	50 16	127 30	142	1000·8	1019·5	− 0·8	266·8	273·2	21st	256·3	248·5	27th	261·6	*261·2*	0·0	7	..
363	Paikanskii Sklad	50 11	130 7	?145	999·9	1019·2	..	265·7	272·2	18th	251·8	243·0	10th	258·8	*258·5*	..	5	..
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	1010·6	1013·4	+ 1·1	..	275·8	3rd	258·9	246·2	17th	..	*263·8*	+0·7	33	..
366	Okhotsk	59 21	143 12	6·0	1011·6	1012·4	− 0·6	262·1	274·0	4th	..	..	..	..	*259·2*	+0·9	0	..
367																		
368	Petropavlovsk (Radio)	53 0	158 39	13·5	1007·2	1008·9	+ 4·1	274·5	279·0	1st	267·9	262·5	30th	271·2	*271·4*	..	91	..
369																		
371	Attu Island	52 56	173 13	4·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 106 and 107. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.

NOVEMBER—ZONE 4.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	70·1	1007·1	1015·8	+ 0·3	282·4	285·2	5th	278·0	274·1	26th, 27th	280·2	280·3	+0·6	83	− 81
412	Portland, Oregon	45 32	122 41	46·6	1012·8	1018·3	− 0·3	283·9	288·6	12th	278·3	274·1	27th	281·1	*280·7*	+0·1	109	− 57
413	Macleod																	
414	Helena	49 44	113 24	953	..	..	..	279·8	287·4	1st	268·5	255·8	24th	274·1	*274·0*	+2·3	3	− 11
414a	Salt Lake City	40 46	111 54	1329	873·8	1019·3	− 0·7	278·0	289·7	3rd	268·3	255·8	23rd	273·2	*272·8*	−0·2	4	− 14
415	Cheyenne	41 8	104 48	1856	811·4	1018·9	+ 0·1	278·2	290·2	1st	266·6	250·2	23rd	272·4	*272·6*	−2·0	14	+ 3
416	North Platte	41 8	100 45	859	917·9	1019·6	+ 0·5	282·8	295·2	11th	268·6	258·6	23rd	275·7	*275·1*	+0·4	7	− 3
417	Bismarck	46 47	100 38	511	955·6	1017·9	− 0·8	278·3	289·3	3rd	267·1	256·3	23rd	272·7	*272·7*	+3·0	13	− 2
418	Winnipeg	49 53	97 7	232	985·1	1014·1	− 2·6	275·8	284·1	3rd, 5th	268·6	256·3	30th	272·2	*271·7*	+5·4	77	+ 53
	Duluth	46 47	92 6	345	972·3	1014·5	− 2·6	277·2	286·3	5th	270·6	259·7	30th	273·9	*273·8*	+1·6	49	+ 17
419	Port Arthur	48 27	89 12	196	989·1	1013·4	− 2·4	278·0	287·4	6th	270·2	258·0	30th	274·1	*273·8*	+4·2	43	+ 6
420	Chicago	41 53	87 37	251	986·8	1017·3	− 0·6	282·4	293·0	6th	276·3	266·9	30th	279·4	*279·6*	+2·1	67	+ 7
421	Toronto	43 40	79 24	116	1001·7	1016·2	− 0·6	281·9	291·9	7th	275·2	265·2	26th	278·6	*277·8*	+3·2	34	− 41
422	New York (Central Park)	40 46	73 58	30·2	1013·2	1016·9	− 0·9	284·4	291·9	18th	277·8	271·9	24, 26, 27	281·1	280·9	+1·2	61	− 18
423	St. John, N.B.	45 17	66 4	36·2	1009·3	1013·8	− 0·1	278·6	285·8	1st	272·4	263·0	27th	275·5	274·9	−0·1	136	+ 24
424	S.W. Point, Anticosti	49 24	63 33	9·1	1010·7	1011·9	+ 0·7	275·2	281·9	1st	270·2	261·9	26th, 28th	272·7	272·7	+0·5	43	− 28
424a	Sable Island (Main Station)	43 57	60 6	7·6	1012·7	1013·6	− 0·8	280·8	290·2	1st	276·3	267·4	26th	278·6	*278·7*	−1·3	109	− 35
425	Port aux Basques	47 35	59 10	9·1	1009·1	1010·2	− 2·0	276·9	285·2	1st	271·9	264·1	29th	274·4	*274·4*	−0·6	83	− 32
426	St. John's, Newfoundland	47 34	52 42	38·1	1002·9	1007·6	− 3·5	278·0	291·9	1st	271·3	260·8	25th	274·7	*274·8*	−1·4	157	+ 12
435	Madrid	40 24	3 41	655	940·7	1018·0	− 0·7	287·5	292·2	13th	276·9	269·4	20th	282·2	281·1	+0·5	53	+ 3
436	Nantes	47 15	W 1 34	36·5	1013·6	1018·1	+ 2·1	283·6	290·0	2nd	276·3	269·8	20th	280·0	279·8	−0·7	99	+ 19
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1013·5	1019·8	+ 3·4	282·5	288·1	3rd	275·1	269·4	17th	278·8	278·5	−0·3	70	+ 21
438	Marseilles	43 18	5 23	75	..	1016·0	+ 1·2	288·6	296·9	5th	281·0	272·2	19th	284·8	*283·5*	+0·6	89	+ 4
438a	Zürich	47 23	8 33	493	961·3	1021·3	+ 2·3	279·5	287·4	7th	274·1	267·7	17th	276·8	276·5	−0·1	29	− 40
439	Rome	41 54	12 27	45	1010·3	1015·6	− 0·5	287·4	295·3	5th	280·6	274·9	25th	284·0	*283·7*	−0·7	132	+ 16
440	Vienna	48 15	16 22	203	997·0	1022·2	+ 4·0	277·5	285·1	7th	275·0	268·0	24th	276·3	276·3	−0·2	41	0
440a	Buda-Pesth	47 31	19 2	130	1006·4	1022·6	+ 5·0	278·9	286·6	6th	274·3	263·7	24th	276·6	*276·2*	−0·8	77	+ 26
441	Sofia	42 42	23 20	550	955·8	1022·3	+ 3·8	279·9	288·5	6th	274·1	268·2	17th	277·0	276·8	−0·3	51	0
442	Bucharest	44 25	26 5	82	1013·0	1023·3	+ 3·7	280·8	293·0	5th	274·9	265·5	23rd	277·9	277·4	+0·1	120	+ 75
443	Odessa (University)	46 26	30 46	42·8	1018·2	1023·5	+ 3·2	280·3	291·5	4th	275·6	265·9	23rd	278·0	277·8	+0·1	59	+ 25
444	Kharkov (University)	50 0	36 14	140	1011·5	1028·8	+ 7·6	275·2	282·0	10th	269·6	260·0	22nd	272·4	*272·2*	−1·2	25	− 13
444a	Novorossiisk	44 44	37 49	37·1	1016·2	1020·7	+ 0·8	287·4	297·2	1st	278·7	268·2	23rd	283·0	*282·8*	+1·3	67	− 2
445	Tiflis	41 43	44 48	404	977·4	1026·4	+ 3·3	284·4	290·1	16th	277·1	271·7	9th	280·8	*280·3*	−0·2	34	+ 2
446	Astrakhan	46 21	48 2	−13·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
447	Fort Alexandrovsk	44 31	50 7	−18·0	1030·2	1028·0	+ 4·8	279·8	284·2	4th	272·3	266·2	23rd	276·0	*275·6*	−2·5	5	− 4
448	Krasnovodsk	40 0	52 59	−17·2	1027·8	1025·7	+ 3·0	285·5	293·1	15th	279·3	272·9	7th	282·4	*282·1*	−1·5	8	− 8
449	Aralskoe More	46 47	61 42	56	1026·0	1033·3	+ 4·9	..	..	..	..	..	..	..	*270·1*	+1·9	1	..
450	Tachkent	41 20	69 18	478	970·4	1028·8	+ 2·9	283·8	296·7	15th	272·9	265·5	8th	278·4	*277·5*	−2·1	39	+ 5
451	Narynskoe	41 26	76 2	?2015	801·4	..	..	..	..	..	..	..	..	..	*264·4*	−4·9	54	..
452	Vernyi	43 16	76 53	841	..	..	..	..	..	..	..	..	..	..	..	..	..	..
461	Mukden	41 48	123 23	43·8	1019·2	1024·8	0·0	277·3	290·0	1st	266·6	259·6	24th	271·9	271·5	+0·1	27	+ 4
462	Joshin	40 40	129 11	4·0	1021·0	1021·5	+ 1·0	280·7	289·5	2nd	271·5	263·3	11th	276·1	275·5	−3·3	72	+ 22
463	Yuki	42 20	130 24	65·6	1013·7	1022·1	..	277·3	285·6	2nd	269·4	262·5	11th	273·3	273·2	..	34	..
464	Vladivostok	43 7	131 55	128	1005·6	1022·0	+ 1·3	274·6	283·4	2nd	268·2	260·1	11th	271·4	271·1	−1·1	77	+ 48
465	Ochiai	47 20	142 44	6·6	1013·7	1014·6	+ 1·2	274·7	283·5	3rd	266·0	258·2	11th	270·3	270·7	−0·1	33	− 46
465a	Nemuro	43 20	145 35	26·7	1013·0	1016·3	+ 1·6	279·7	286·6	3rd	273·8	267·5	12th	276·8	277·0	−0·4	138	+ 58
	Syana	45 14	147 53	39·3	1009·8	1014·7	+ 1·3	278·4	284·7	3rd	273·3	270·3	28th	275·9	276·0	+0·1	163	+ 45
		N.	E.															

Between Latitude 40° N. and 30° N.

NOVEMBER—ZONE 5 (Western Half).

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		N.	W.															
511	San Francisco	37 48	122 26	47·2	1012·5	1018·3	− 0·7	289·3	295·2	1st	282·9	280·2	29th	286·1	*285·9*	−0·2	142	+ 82
512	San Luis Obispo	35 18	120 39	61·3	1010·2	1017·6	− 0·8	292·8	300·2	1st	280·8	275·2	30th	286·8	*286·0*	−0·4	102	+ 61
513	San Diego																4	..
514	Modena	32 43	117 10	26·5	1012·9	1015·9	− 0·4	292·7	300·8	1st	284·1	278·6	29th	288·4	*288·4*	+0·4	49	+ 29
515	Santa Fé	37 48	113 54	1670	833·2	1017·6	− 1·4	281·8	294·1	2nd	266·3	259·7	27th	274·1	*273·6*	−1·8	8	− 5
516	Denver	35 41	105 57	2138	785·8	1017·6	− 0·2	279·6	291·3	3rd	269·8	260·2	30th	274·7	*274·5*	−1·9	16	− 3
517	Abilene	39 45	105 0	1613	836·8	1018·6	+ 0·5	281·6	296·9	3rd	269·6	257·4	24th	275·6	*275·6*	−1·3	22	+ 8
518	Saint Louis	32 23	99 40	530	956·5	1018·6	− 0·1	287·9	300·2	6th	278·8	268·0	24th	283·3	*282·9*	−1·5	50	+ 15
		38 38	90 12	173	997·8	1018·6	− 0·8	284·5	296·9	6th	277·3	270·2	25th	280·9	*280·8*	+1·5	69	0
519	Mobile	30 41	88 2	17·4	1016·8	1018·9	− 0·9	292·7	298·6	5th	283·3	278·0	23rd	288·0	*287·5*	+0·3	181	+ 88
520	Nashville	36 10	86 47	166	1000·5	1020·6	+ 0·1	286·7	294·1	8th	277·1	271·3	30th	281·9	*282·1*	−0·2	35	− 54
521	Charleston	32 47	79 56	14·6	1017·5	1019·3	− 0·9	290·7	298·0	16th	282·6	278·6	13th	286·7	*287·0*	−0·5	59	− 5
522	Washington	38 54	77 3	34·1	1014·7	1018·9	− 0·6	285·8	295·2	8th	276·1	269·1	24th	280·9	*280·4*	+0·2	38	− 25
523																		
524	Bermuda	32 18	64 46	46·0	1010·1	1015·5	− 1·8	296·3	299·2	2nd	291·2	287·7	6th	293·7	*293·6*	+0·5	291	+167
530	Santa Cruz (Flores)	39 27	31 9	28	1013·2	1016·3	− 3·8	292·9	295·8	3rd	288·6	285·3	26th	290·8	*290·9*	+0·9	270	+101
531	Horta	38 32	28 38	65	1009·9	1017·1	− 3·1	292·1	295·1	3rd, 7th	288·5	285·6	14th	290·3	290·3	+0·1	127	+ 6
532	Ponta Delgada	37 44	25 40	22	1016·3	1018·2	− 1·5	292·3	294·4	2nd	289·1	286·3	14th	290·7	290·6	+0·6	..	..
532a	Faja da Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	212	+ 67
533	Madeira (Funchal)	32 37	16 54	25	1017·1	1020·1	+ 1·8	293·8	295·9	22nd	288·2	286·8	30th	291·0	*291·1*	−0·4	62	− 68
534																		
535	Lisbon	38 43	9 9	95	1006·4	1017·9	0·0	289·3	291·8	14th	284·3	280·9	20th	286·8	*286·8*	+0·2	110	− 1
536	Gibraltar	36 6	5 21	16·2	1015·0	1016·9	− 1·2	291·0	294·7	2nd	284·9	280·2	20th	287·9	*288·2*	−0·9	96	− 66
536a	Melilla	35 18	2 59	8	‡1016·3	‡1017·3	− 2·3	292·0	296·0	1st	282·9	279·0	30th	287·4	*289·0*	−3·6	25	− 24
		N.	W.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.

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No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Palma	39 34	2 39	23	1015·3	1018·0	+ 1·6	290·5	293·6	3rd	283·7	278·0	22nd	287·1	..	−0·9	175	+ ..
538	Algiers (Bouzaréah)	36 48	3 2	343	974·7	1014·8	− 2·3	288·7	295·0	2nd	284·3	279·7	21st	286·5	286·2	−0·8	171	− ..
539	Tunis	36 48	10 10	21	1013·6	1016·4	+ 0·3	292·8	300·5	3rd	284·4	279·0	21, 22, 23	288·6	*288·6*	+0·3	45	+ ..
539*a*	Malta	35 54	14 31	56·4	..	1015·4	− 1·7	292·6	298·0	9th	287·9	284·1	30th	290·3	*289·5*	−0·4	19	+ ..
540	Riposto	37 41	15 14	14·2	..	1017·1	+ 0·1	291·2	295·5	3rd, 10th	285·7	282·3	26th	288·5	*287·8*	−0·8	125	+ ..
541	Athens	37 58	23 43	107	1004·5	1017·4	+ 0·5	290·4	296·1	5th	284·5	279·9	15th	287·4	287·2	+0·2	110	+ ..
542	Alexandria	31 12	29 53	32·0	1012·6	1016·3	− 1·1	299·0	303·8	20th	290·1	285·0	29th	294·5	*294·1*	+1·5	53	+ ..
543	Cairo (Helwan)	29 52	31 20	116	1002·3	1016·0	− 0·9	300·3	308·1	20th	288·9	283·5	30th	294·6	293·9	+1·8	3	− ..
544	Nicosia (P.W.D.)	35 9	33 22	159	997·3	1016·0	− 0·4	295·9	302·4	1st	285·3	281·3	28th	290·6	..	+2·2	35	− ..
544*a*	Beirut	33 54	35 28	33·7	..	1015·8	− 0·5	296·3	300·9	6th	291·7	285·8	14th	294·0	*293·8*	+1·7	131	+ ..
545	Baghdad	33 21	44 28	38·1	..	1017·9	− 0·5	297·7	305·6	1st	286·2	281·9	30th	291·9	*290·9*	+1·8	62	+ ..
546	Busrah	30 31	47 53	7·6	1017·3	1018·5	− 0·6	299·1	305·2	7th	286·4	282·5	21st	292·7	..	+1·0	55	.. ..
546*a*	Lenkoran	38 46	48 51	−19·3	..	..	..	..	..	..	..	..	..	..	..	..	..	.. ..
547	Teheran	35 41	51 25	1220	..	..	..	288·4	293·4	1st	278·9	275·2	21st	283·7	*283·4*	−0·8	8	− ..
548	Meshed	36 16	59 35	946	..	..	..	..	..	..	..	..	..	..	..	..	..	.. ..
549	Seistan	31 0	61 30	?	..	..	..	293·4	299·9	16th	277·2	271·9	11th	285·3	..	..	0	.. ..
550	Quetta	30 11	67 3	1677	837·4	..	− 0·2	291·7	296·8	15th	271·9	267·3	9th	281·8	*281·5*	−0·9	2	− ..
551	Peshawar	34 2	71 37	339	978·4	1018·9	− 0·3	297·9	300·3	20th	280·4	277·9	10th	289·2	*288·1*	−0·3	1	+ ..
551*a*	Lahore	31 34	74 20	214	991·0	1016·6	− 0·4	301·0	304·6	2nd	282·4	279·1	24th	291·7	*290·5*	+0·2	3	+ ..
552	Simla	31 7	77 8	2205	783·7	..	− 0·1	286·2	289·9	2nd	279·6	273·0	30th	282·9	*282·6*	−0·4	27	+ ..
552*a*	Leh	34 10	77 42	3503	668·7	..	− 0·6	..	?282·9	1st	265·2	262·7	26th	..	..	..	1	.. ..
559	Hankow	30 35	114 17	37·0	1020·5	1025·0	− 0·6	288·8	294·3	25th	281·7	276·4	17th	285·3	*285·0*	+0·2	128	+ ..
560	Tientsin	39 10	117 10	5·0	1025·7	1026·3	+ 0·4	281·4	289·0	1st	272·5	268·4	23rd	276·9	*276·9*	−0·8	25	+ ..
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1023·5	− 0·4	289·5	296·1	1st	280·9	272·4	19th	285·2	284·2	+0·1	195	+ ..
562	Jinsen (Chemulpo)	37 29	126 37	67·6	1015·0	1023·5	+ 0·8	282·8	293·9	1st	274·7	268·7	24th	278·7	278·4	−0·9	55	+ ..
562*a*	Nagasaki	32 44	129 52	133	1005·6	1021·7	+ 0·9	288·3	295·9	2nd	282·4	278·5	24th	285·3	285·1	−0·7	144	− ..
563	Kioto	35 1	135 44	42·9	1016·2	1021·5	+ 2·5	288·7	295·9	3rd	277·5	271·7	30th	283·1	282·6	+0·3	76	+ ..
564	Tokio	35 41	139 45	21·3	1016·7	1019·3	+ 1·0	288·1	297·0	3rd	279·5	272·3	30th	283·8	283·4	0·0	142	+ ..
565	Kanayama	37 53	140 46	24·6	1016·4	1019·4	+ 1·0	285·8	293·3	3rd	276·0	268·0	30th	280·9	280·8	+0·2	100	+ ..
566	Miyako	39 38	141 59	30·4	1015·1	1018·8	+ 2·1	286·3	295·8	3rd	274·6	267·7	30th	280·5	279·6	−0·5	131	+ ..

NOVEMBER—ZONE 6. Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		N.	W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
605	Honolulu	21 19	157 52	11·6	1014·6	1015·9	− 0·8	299·7	301·3	..	294·6	292·4	..	297·1	*297·2*	+0·5	135	+ ..
614	La Paz	24 10	110 20	12	..	..	..	..	..	..	..	..	..	..	..	..	..	.. ..
615	Chihuahua	28 38	106 4	1423	859·3	1017·0	..	290·5	300·5	5th	277·1	264·7	27th	283·8	..	..	24	− ..
616	Leon	21 7	101 41	1809	821·9	1011·8	− 0·2	297·0	302·9	sev. dates	281·8	278·7	26th, 29th	289·4	*289·7*	+1·4	0	− ..
616*a*	Monterry	25 40	100 18	528	956·4	1017·5	..	294·1	305·4	16th	284·9	275·6	27th	289·5	*288·3*	..	56	.. ..
617	Tulancingo	20 5	98 22	2180	..	..	..	..	296·0	..	..	272·0	..	..	286·0	..	2	− ..
618	Galveston	29 18	94 50	16·5	1017·0	1018·9	− 0·4	291·4	298·6	8th	286·7	276·9	24th	289·1	*289·0*	−1·2	207	+ ..
618*a*	New Orleans	29 58	90 4	16·2	..	1018·6	− 0·9	293·4	300·2	16th	285·6	279·7	23rd	289·5	*288·9*	0·0	113	+ ..
619	Merida, Yuc.	20 58	89 38	22	1012·4	1014·8	..	302·4	305·0	26th	293·8	288·6	20th	298·1	*297·5*	..	6	− ..
620	Havana	23 8	82 21	24·3	..	1016·0	0·0	300·3	303·8	27th, 28th	294·6	289·1	21st	297·5	*297·1*	+0·6	81	+ ..
620*a*	Key West	24 33	81 48	6·7	1015·4	1016·2	− 0·7	299·6	303·0	29th	294·7	289·7	21st	297·1	*296·5*	0·0	58	+ ..
621	Nassau, Bahamas	25 5	77 21	3·7	..	1014·9	− 2·0	299·6	301·9	30th	295·0	292·4	8th	297·3	*297·2*	+0·1	..	.. ..
622	Watling Island	24 6	74 26	33·5	1011·6	1015·4	+ 0·3	..	303·0	12, 16, 30	..	296·9	6, 11, 23	..	*299·8*	..	..	.. ..
633	Izafia	28 19	16 30	2367	768·2	..	..	282·7	286·3	19th	276·2	272·2	11th	279·4	*278·9*	..	33	− ..
634	La Laguna	28 28	16 20	547	954·2	1017·6	0·0	292·0	297·1	1st	284·2	278·7	30th	288·1	*287·5*	−0·6	50	− ..
637	Insalah	27 1	W 2 21	?280	..	..	..	299·3	309·1	3rd	282·3	276·8	28th	290·8	*292·3*	−2·3	0	− ..
641	Siwa	29 12	E 25 29	−23	..	..	..	..	..	..	..	..	..	..	..	..	..	.. ..
643	Aswan	24 2	32 53	99·6	1001·5	1013·1	− 1·2	?306·8	?314·0	1st	289·0	282·0	15th	297·9	*296·9*	+1·8	..	.. ..
644	Tor	28 14	33 37	1·9	1013·5	1013·7	− 1·3	300·0	302·9	21st	288·8	285·3	30th	294·4	*294·3*	+1·5	..	.. ..
647	Bushire	28 59	50 53	4·3	1015·5	1016·1	− 1·7	299·2	305·0	8th	290·6	286·9	29th	294·9	*294·6*	+0·7	10	− ..
648	Jask	25 44	57 47	4·0	1015·7	1016·2	− 0·6	302·4	304·9	14th	292·5	289·7	10th	297·4	*297·1*	−0·1	0	− ..
649	Robat	29 45	60 55	?	915·1	..	..	297·8	302·4	23rd, 25th	274·4	268·1	29th	286·1	..	..	0	.. ..
649*a*	Karachi	24 53	66 57	4·0	1014·8	1015·3	− 0·7	302·9	306·1	12th	291·9	289·7	30th	297·4	*297·1*	+0·3	0	− ..
650	Jacobabad	28 17	68 29	56·7	1009·2	1015·9	− 0·4	304·3	308·8	2nd	284·4	280·8	29th	294·3	*293·6*	+0·3	0	− ..
651	Jaipur	26 56	75 52	436	966·8	1016·8	− 0·3	303·2	308·3	2nd	286·1	280·9	25th	294·6	*293·6*	+0·1	0	− ..
652	Nagpur	21 8	79 5	310	979·9	1015·4	− 0·5	304·2	306·7	6th	288·7	283·4	26th	296·4	*296·1*	+0·9	29	+ ..
653	Allahabad	25 25	81 51	94·1	1005·8	1016·8	?+ 0·7	303·3	308·7	4th	285·3	281·6	26th	294·3	*293·4*	+0·5	2	− ..
653*a*	Darjiling	27 3	88 18	2266	778·5	..	− 0·5	286·7	288·4	6th	278·7	277·2	24th	282·7	*282·4*	+0·3	0	− ..
654	Calcutta	22 36	88 23	6·4	1014·1	1014·8	− 0·2	302·2	305·4	6th	291·4	287·3	26th	296·8	*296·4*	+1·0	1	− ..
655	Gauhati	26 8	91 41	59·7	1009·6	1016·5	0·0	300·0	301·9	5th	288·9	286·1	23rd	294·4	*293·7*	−0·3	2	− ..
655*m*	Cherrapunji	25 15	91 42	1314	871·5	..	+ 0·2	292·7	295·6	19th	284·5	281·4	9th	288·6	*287·9*	−0·4	0	− ..
655*a*	Akyab	20 11	92 56	6·1	1012·5	1013·2	− 0·5	301·7	304·0	17th	294·2	290·8	28th	297·9	*297·5*	−0·6	373	+ ..
656	Mandalay	21 59	96 0	76·2	1006·3	1015·1	+ 0·4	303·7	307·0	4th	293·4	289·5	30th	298·6	*298·0*	+0·3	49	+ ..
656*a*	Tengyueh	24 59	98 35	1633	836·3	..	..	292·8	294·7	17th	277·5	274·7	6, 9, 27	285·1	*284·4*	..	1	− ..
657	Phu Lien	20 48	106 37	115	1003·6	1017·2	− 0·1	297·4	305·4	9th	291·5	287·4	13th	294·5	293·8	−0·3	50	+ ..
658	Moncay	21 31	107 51	9	1016·7	1017·8	0·0	297·0	304·0	3rd	290·4	286·3	18th	293·7	*293·3*	−0·3	60	+ ..
659	Hong Kong	22 18	114 10	33·2	..	1017·9	+ 0·3	295·6	301·1	6th	291·9	288·4	19th	293·7	293·7	0·0	129	+ ..
660	Amoy	24 27	118 4	ca.3	1019·7	1020·1	+ 0·6	296·0	301·9	2, 5, 6	291·1	286·3	24th	293·5	*293·1*	−0·3	67	+ ..
661	Taihoku, Formosa	25 2	121 31	9·3	1018·2	1019·3	+ 0·7	297·4	304·4	13th	290·5	287·7	19th	294·0	293·3	+0·6	80	+ ..
661*a*	Santo Domingo	20 28	121 59	18·7	..	..	..	..	..	..	..	..	..	..	..	..	..	.. ..
662	Naha	26 13	127 41	10·5	1017·6	1018·8	+ 1·3	298·0	303·6	5th	290·6	285·7	24th, 25th	294·3	294·1	+0·2	111	+ ..
665	Titizima (Bonin Islands)	27 5	142 11	4·0	1016·9	1017·4	+ 1·3	298·6	302·8	4th	293·4	289·0	26th	296·0	295·9	+0·1	125	+ ..

	° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 109 and 110. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 110

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Colima	19 12	103 45	509	956·0	1011·2	..	304·6	307·5	7th	291·6	288·4	17th	298·1	*297·3*	..	1	..
716	Morelia	19 42	101 7	1923	..	..	..	..	..	..	..	..	..	..	..	..	..	..
717	Mexico, Tacubaya	19 24	99 12	2309	775·1	1011·5	− 0·6	295·9	299·0	5th, 6th	279·5	276·6	30th	287·7	286·9	+0·5	0	− 15
718	Oaxaca	17 4	96 42	1563	..	..	..	..	..	..	..	..	..	..	..	..	..	..
718*a*	Salina Cruz	16 12	95 12	56	1006·0	1010·2	..	301·6	304·7	17th	295·7	291·8	30th	298·7	*298·3*	..	66	..
719	San Salvador	13 42	89 13	‡665	936·9	1011·4	+ 0·6	307·4	310·5	7th, 17th	289·4	286·2	10th, 15th	298·4	*295·6*	+0·2	39	− 12
720	Belize	17 29	88 12	5·2	1013·7	1014·3	+ 1·5	301·5	303·6	26th	295·1	289·7	20th	298·3	*297·9*	−0·1	241	− 61
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1012·0	− 0·3	302·9	304·9	3rd	294·2	291·2	9th	298·6	*298·4*	−0·3	116	+ 34
722	Port au Prince	18 33	72 23	37·4	1008·7	1013·0	+ 0·1	304·3	305·7	15th	294·5	292·5	27th	299·4	*298·5*	−0·1	65	− 13
723	Caracas	10 30	66 55	‡1010	900·0	..	+ 0·7	298·5	300·7	9th	288·5	285·1	23rd	293·5	*292·7*	0·0	47	− 37
724	Montserrat	16 41	62 9	39·6	1008·2	1012·8	− 0·5	303·6	305·2	4th, 5th	295·5	294·1	5, 6, 7	299·5	*299·0*	..	135	.. ..
724*a*	Grenada (Richmond Hill)	12 5	61 46	155	993·1	1010·9	+ 0·1	301·9	303·0	5th, 26th	296·9	295·8	9, 10, 27	299·4	*298·8*	+0·1	166	− 42
725	Barbados	13 8	59 36	55·2	..	1012·1	− 0·1	302·1	303·2	5th	295·7	293·9	18th	298·9	*298·2*	0·0	148	− 7
731	St. Vincent, C. Verde Is.	16 54	25 4	11	1013·1	1014·3	+ 0·6	299·4	301·0	3rd	294·1	293·0	18th, 26th	296·8	*297·3*	−0·7	0	− 8
732	San Tiago, C. Verde Is.	14 54	23 31	?40	1009·8	1014·4	+ 0·4	299·6	301·7	3rd	295·8	295·0	7, 26, 30	297·7	*297·7*	−0·7	0	− 12
733	Bathurst	13 24	16 36	1·5	1013·1	1013·3	+ 1·3	302·7	305·2	4, 27, 28	..	..	..	..	*299·2*	−0·7	0	− 7
734	M'Carthy Island	13 42	14 46	1·1	..	..	..	310·3	311·3	sev. dates	292·4	289·7	30th	301·4	..	+0·8	0	− 5
735	Segou	13 34	6 17	300	..	..	..	..	..	..	..	..	..	..	..	..	..	.. ..
736	Timbuctoo	16 43	W 3 2	270	..	..	..	308·5	312·9	3rd	291·2	286·0	21st	299·9	*300·4*	+0·1	0	..
737	Sokoto	13 2	E 5 14	353	..	..	..	308·9	309·7	sev. dates	291·9	289·1	20th	300·4	*299·9*	+0·5	0	0
738	Kaduna Capital	10 32	7 25	637	943·1	1014·1	+ 0·5	305·8	307·4	18th	288·9	286·3	13, 28, 30	297·4	*296·9*	−0·2	0	− 3
739	Hadeija	12 40	10 5	?	..	..	..	310·5	313·6	1st	290·2	288·0	14th, 20th	300·3	*299·8*	+2·2	0	..
740	Maiduguri	11 47	13 11	361	..	..	..	309·4	311·9	1st	290·7	288·0	19th, 20th	300·1	*299·6*	+0·5	0	0
741	El Fasher	13 32	25 18	730	..	..	..	307·4	310·4	2nd	287·4	284·0	17th	297·4	..	0·0	0	..
743	El Obeid	13 11	30 14	569	945·7	1009·0	− 1·3	307·8	311·5	1st	289·7	285·2	13th	298·7	*299·0*	+1·5	0	0
743*a*	Khartoum	15 37	32 33	390	965·2	1008·8	− 0·9	308·4	313·0	1st	293·7	290·2	13th	301·1	*301·0*	+0·2	0	0
744	Port Sudan	19 37	37 13	5·9	1010·2	1010·8	− 1·8	304·4	306·2	4th, 6th	297·2	295·3	5th	300·8	*300·2*	+0·3	57	+ 15
745	Berbera, Somaliland	10 22	45 2	9·2	1013·0	1014·2	− 0·6	305·7	307·4	11th, 13th	295·3	290·2	30th	300·5	*301·1*	+1·9	6	+ 1
746	Aden	12 45	45 3	28·7	1010·0	1013·4	− 1·8	302·0	304·8	18th	297·1	294·3	1st	299·6	*299·0*	−0·1	0	− 2
751	Bombay	18 54	72 49	11·3	1010·9	1012·2	− 1·9	305·2	307·2	6th	297·2	295·4	23rd	301·2	*300·7*	+1·4	2	− 9
751*a*	Cochin	10 58	76 21	2·7	1010·7	1011·0	− 1·4	304·6	306·6	18th	297·5	296·0	28th	301·0	*300·6*	+0·8	169	+ 13
752	Kodaikanal	10 14	77 28	2343	771·2	..	− 0·6	289·2	291·3	14th	283·8	281·3	9th	286·5	*286·5*	+0·7	356	+169
752*a*	Bangalore	12 59	77 38	920	911·0	1011·6	− 1·3	300·6	304·3	1st	291·8	289·4	10th	296·2	*295·6*	+1·7	148	+ 80
753	Madras	13 4	80 14	6·7	1010·9	1011·6	− 1·6	301·8	303·9	3rd, 24th	296·9	294·5	12th	299·3	*298·9*	+0·4	1088	+751
754	Vizagapatam	17 42	83 19	11·6	1011·6	1012·8	− 1·3	301·4	302·8	14th	297·3	294·9	19th	299·3	*298·9*	+1·2	72	+ 7
755	Port Blair	11 40	92 40	17·7	1009·8	1011·8	− 0·2	303·2	305·0	21st, 22nd	298·0	296·3	7th	300·6	*300·2*	−0·1	367	+127
757	Rangoon	16 46	95 48	5·5	1012·9	1013·5	0·0	305·7	306·6	3rd	296·4	295·4	30th	301·0	*300·2*	+1·4	28	− 41
758	Saigon	10 47	106 42	11·2	1009·3	1010·5	+ 0·2	305·4	306·5	27th	296·2	295·3	29th	300·8	*300·2*	+1·3	34	− 89
759	Nhatrang	12 15	109 12	3·6	1012·3	1012·7	+ 0·8	302·1	304·3	8th	295·7	294·2	21st	298·9	*298·5*	+0·2	310	− 68
760	Bolinao	16 24	119 53	7·1	..	1010·1	+ 1·1	304·7	?306·1	14th	295·1	?292·5	17th, 18th	299·9	*299·3*	−0·7	0	− 46
761	Vigan	17 34	120 23	12·2	..	1011·5	+ 1·3	305·7	307·8	15th	295·4	294·0	17th	300·5	300·1	+0·3	0	− 37
762	Manila	14 35	120 59	14·2	..	1011·9	+ 1·8	304·2	306·0	6th	294·0	291·7	21st	299·1	298·2	−0·6	12	−116
765	Ormoc	11 0	124 36	5·6	..	1009·6	+ 1·6	305·4	306·2	2, 22, 28	295·2	292·1	19th	300·3	*299·4*	+0·7	86	−116
	Guam, Ladrone Is.	13 24 N.	144 38 E.	20·4	..	1008·4	+ 0·4	302·9	304·0	26th	297·6	296·0	19th	300·3	*299·8*	−0·2	117	− 67

Between Latitude 10° N. and 0°. NOVEMBER—ZONE 8.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		N.	W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
805	Fanning Island	3 55	159 23	3·1	..	..	..	305·4	307·4	14th	298·3	295·2	30th	301·9	*301·4*	+1·5	161	+ 88
821	Colon	9 23	79 23	11·0	..	1010·6	+ 0·1	310·8	303·0	4th	297·3	295·2	20th	299·6	*299·2*	+0·3	361	−181
822	Bogota	4 36	74 6	2645	..	..	..	..	..	..	..	..	..	..	..	..	184	+ 48
822*a*	Merida, Venez	8 36	71 9	1641	‡840·7	..	..	296·2	298·3	4th	288·1	286·4	16th	292·1	*291·3*	..	279	.. ..
824	El Peru, Guayanavieja	7 19	61 49	220	983·8	1009·0	− 0·1	..	..	..	..	..	..	..	‡*296·3*	+0·2	39	− 51
825	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1012·7	+ 1·4	303·7	305·2	4th, 8th	297·7	294·1	23rd	300·7	*300·2*	+0·8	179	+ 33
826	Paramaribo	5 49	55 9	3·7	..	..	..	303·8	305·3	7th	296·1	294·9	20th, 21st	299·9	*298·8*	+0·2	37	−104
826*a*	Cayenne	4 56	52 21	6	..	..	..	305·0	306·6	12th	294·4	293·0	sev. dates	299·7	*298·4*	−0·9	264	+147
833	Conakry	9 31	13 43	16	..	..	..	..	..	..	..	..	..	..	..	..	..	.. ..
834	Freetown, Sierra Leone	8 30	13 9	68·3	1004·0	1011·9	+ 0·8	304·2	306·3	19th	296·5	294·1	12th, 18th	300·3	*299·1*	0·0	31	−104
835	Cape Coast Castle	5 5	1 13	?	..	..	..	..	..	..	..	..	..	..	..	..	62	+ 2
837	Accra	5 33	W 0 12	25·7	..	..	..	..	..	..	..	..	..	..	‡*299·8*	−1·0	76	+ 38
838	Lagos	6 27	E 3 24	1·8	1010·5	1010·7	− 1·6	304·8	309·8	..	297·4	294·1	..	301·1	*300·6*	+0·7	52	− 14
838*a*	Zungeru	9 48	6 10	130	..	..	..	308·3	310·8	17th	292·8	289·1	14th	300·5	*300·0*	+1·0	0	− 4
839	Libreville	0 23	9 26	35	..	..	..	..	..	..	..	..	..	..	..	..	..	.. ..
841	Yola	9 12	12 30	259	..	..	..	308·5	310·2	18th, 26th	294·6	291·3	20th	301·6	*301·1*	+0·7	3	+ 1
	Wau	7 42	28 3	440	959·5	1008·9	0·0	307·6	310·5	sev. dates	292·8	290·0	12th, 14th	300·2	*298·8*	+0·1	0	− 17
843	Malakal (Kodok)	9 35	31 37	394	964·2	1008·5	− 0·4	308·9	312·1	23rd	292·1	285·5	7th	300·5	*299·0*	..	39	+ 31
843*a*	Mongalla	5 11	31 47	439	959·3	1008·2	− 0·1	?309·4	312·5	29th	295·0	293·0	6th	?302·2	*?300·3*	+1·2	68	+ 22
844	Entebbe	0 5	32 29	1171	883·3	..	− 0·2	299·4	302·4	15th	289·8	286·9	4th	294·6	*294·3*	−0·1	148	+ 23
851	Harrar	9 42	42 30	1856	..	..	..	..	..	..	..	..	..	..	..	..	..	.. ..
852	Mimicoy	8 17	72 49	2·1	1011·0	1011·2	− 1·0	..	..

NOVEMBER—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature Mean Max. A.	Temperature Absolute Max.	Temperature Date.	Temperature Mean Min. B.	Temperature Absolute Min.	Temperature Date.	Temperature Mean of A and B.	Temperature †24 hr. Mean. *	Temperature Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	4 1	155 1	7·9	..	..	..	..	..		..	..	..	..	‡301·7	+1·5	15	—
924	Manaos	3 8	60 1	43·8	..	..	..	306·4	310·0	3rd	297·5	295·0	30th	302·0	*300·7*	−0·3	150	—
926	Taperinha	2 30	54 20	20·0	1007·2	1009·4	..	305·2	307·2	13th	295·8	294·4	12th	300·5	*299·2*	..	23	—
927	Turyassu	1 43	45 26	15·1	1008·2	1010·0	+ 0·2	306·9	308·6	24th	295·8	293·4	11th	301·3	*300·0*	0·0	3	—
928	Barra do Corda	5 30	45 16	81·0	999·3	1008·5	— 0·6	306·9	309·3	7th, 24th	295·5	293·4	27th	301·2	*300·5*	+0·7	32	—
929	Quixeramobim	5 16	39 15	207	987·1	1010·3	— 0·3	307·3	308·5	20th	297·7	295·8	6th	302·5	*302·0*	+0·5	1	—
930	Fernando Noronha	3 50	W32 25	106	1000·0	1012·1	— 0·2	300·7	301·5	16th	296·7	295·4	17th	298·7	*298·2*	..	3	—
939	Loanda	8 49	E 13 13	59·3	..	1010·9	— 0·1	298·6	300·5	27th	295·5	294·4	7, 24, 26	297·1	296·9	−0·9	59	—
940	Brazzaville	4 17	15 16	320	974·2	1010·4	— 1·3	304·5	309·0	19th	294·2	292·8	23rd	299·3	*298·6*	+0·7	151	—
943	Masaka	0 21	31 47	?1280	..	..	..	?300·1	..	..	?289·1	..	..	?294·6	*?292·7*	+0·1	..	..
944	Nairobi	1 14	36 44	1800	..	..	..	295·8	298·6	11th	284·7	280·2	29th	290·2	*289·5*	−0·5	76	—
944*a*	Zanzibar	6 10	39 11	21·9	1012·3	1014·7	0·0	302·6	303·8	28th	298·3	295·9	5th	300·4	*300·0*	+0·4	55	—
945	Lamu	2 16	40 50	3·1	..	..	..	304	304·1	1st	294·1	294	1st	299·1	*298·5*	−1·2	28	—
947	Seychelles, Port Office	4 37	55 27	4·6	1011·2	1011·7	— 0·1	301·7	302·7	..	298·4	296·8	..	300·1	*299·3*	+0·9	227	—
957	Padang	0 56	100 22	6·7	..	1010·8	— 0·2	302·2	304·1	18th	296·2	295·4	15th	299·2	298·6	..	546	—
958	Batavia	6 11	106 50	8·0	1009·1	1010·0	+ 0·1	303·6	305·2	1st, 18th	296·5	295·7	16th, 25th	300·0	299·6	+0·3	131	+7
958*a*	Pontianak	0 1	109 20	2·6	..	1010·2	— 0·3	303·6	305·6	14th	296·4	295·5	29th	300·0	298·9	..	583	—
960	Kajoemas	7 36	114 9	1060	..	..	..	305·4	306·1	10th	296·1	293·7	17th	300·7	301·1	+0·7	15	—
962	Ambon	3 42	128 10	4·2	..	1009·6	+ 1·0	304·4	306·4	27th	296·0	294·1	10th	300·2	299·7	+0·6	44	—
963	Manokwari	0 52	134 20	19·0	..	1007·9	— 0·4	305·5	306·7	28th	296·0	294·3	1st	300·7	300·1	..	53	—
965	Daru	9 4	143 13	7·6	..	1009·5	— 0·6	304·1	..	..	..	..	..	..	‡301·6	+0·5	5	—
966	Port Moresby	9 29	147 9	39·0	..	1010·7	+ 0·7	305·0	..	..	297·1	..	..	301·0	*300·5*	+0·4	38	—
967																		
968	Rendova	8 30	157 12	1·8	1009·5	1009·8	+ 1·4	..	..	..	..	..	..	..	..	..	193	—
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1008·7	1009·0	+ 0·6	304·9	307·3	9th	297·8	296·9	22nd	301·4	*301·2*	+0·7	212	—
970	Ocean Island	0 52 S.	169 35 E.	20·0	1004·6	1007·0	— 1·1	305·0	306·9	19th, 20th	297·7	295·8	5th	301·3	*300·5*	+0·2	222	—

NOVEMBER—ZONE 10.

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature Mean Max. A.	Temperature Absolute Max.	Temperature Date.	Temperature Mean Min. B.	Temperature Absolute Min.	Temperature Date.	Temperature Mean of A and B.	Temperature †24 hr. Mean. *	Temperature Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1002	Apia, Samoa	13 48	171 46	2	..	1010·4	+ 1·0	303·4	304·8	30th	296·7	293·3	9th	300·0	299·7	+0·8	124	—
1003	Alofi, Niue Island	19 2	169 55	36·6	..	..	..	303·7	307·4	9th	..	..	..	..	..	..	168	—
1007	Makatea	15 47	148 14	47	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1021	Arequipa	16 22	71 33	2451	760·9	..	+ 0·1	297·1	298·9	5th	281·4	278·7	1st	289·3	*288·4*	+1·9	0	—
1022	Puerto de Arica	18 28	70 20	5	..	..	..	..	..	..	..	..	..	..	..	..	0	—
1023																		
1024	Sucre, Bolivia	19 30	64 24	2848	727·3	..	..	293·2	299·0	8th	282·5	280·2	2, 18, 28	287·9	*287·7*	..	53	—
1025	Corumba	18 59	57 39	116	994·2	1007·5	..	306·0	311·4	23rd	295·0	291·4	3rd	300·5	*299·6*	−0·2	77	—
1026	Cuyaba	15 36	56 6	165	988·5	1007·2	− 0·8	303·7	307·7	10th	298·2	296·1	25th	300·9	*301·1*	+0·4	120	—
1027	Bello Horizonte	19 55	43 55	857	917·0	1012·4	+ 0·4	299·1	302·6	9th	290·5	286·0	6th	294·8	*294·5*	+0·1	329	—
1028	Caetite	14 3	42 37	900	914·0	1012·9	+ 0·5	299·1	302·9	3rd	291·3	289·0	19th	295·2	*295·4*	−0·7	171	—
1029	Ondina (Bahia)	13 0	38 31	46·6	1006·1	1011·5	— 0·8	301·4	303·1	sev. dates	295·5	293·4	7th	298·5	*297·9*	−0·2	103	—
1030	Aracaju	10 55	37 3	4·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1035	St. Helena	15 57	W 5 40	632	945·2	1017·0	— 0·5	293·8	298·3	1st	285·8	284·7	12th	289·8	*289·3*	+1·2	26	—
1042	Gwelo	19 27	E 29 49	1417	860·5	..	— 0·7	302·5	309·7	4th	286·2	278·6	5th	294·3	..	−0·6	125	—
1043	Salisbury, Rhodesia	17 49	31 3	1457	855·6	..	— 1·2	303·2	308·7	15th	287·4	282·4	5th	295·3	..	+0·9	142	—
1044	Zomba	15 23	35 18	‡945	906·3	1010·1	— 0·4	303·8	308·6	13th, 15th	291·9	286·3	5th	297·9	*297·1*	+0·9	152	—
1045	Tananarive	18 55	47 32	1400	865·2	..	+ 0·4	300·3	304·4	12th	286·6	282·6	8th	293·4	*292·7*	0·0	129	—
1046	Sainte-Marie	17 0	49 51	15	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1055	Cocos Keeling Is.	12 5	96 53	4·6	1013·0	1013·6	+ 1·3	302·6	304·1	6th, 7th	297·2	294·1	21st	299·9	..	0·0	40	—
1056																		
1057	Christmas Island	10 25	105 43	5·5	1009·4	1010·0	+ 0·8	304·4	305·8	..	296·9	294·1	..	300·7	*300·3*	+0·5	124	—
1058																		
1061	Koepang	10 10	123 34	45·1	..	1010·2	+ 0·9	306·3	307·9	7th	295·6	292·7	9th	300·9	300·7	..	23	—
1061*a*	Derby	17 18	123 40	10·2	1008·1	1010·0	+ 0·7	308·8	313·4	20th	298·3	295·2	10th	303·6	..	−0·1	1	—
1062	Hall's Creek	18 13	127 46	374	968·4	1009·0	+ 0·2	311·6	315·8	14th	295·9	286·9	8th	303·8	*303·1*	+0·4	23	—
1063	Darwin	12 28	130 51	29·6	1005·7	1008·9	+ 0·4	307·6	309·2	25th	299·8	296·4	28th	303·7	*302·5*	+0·9	57	—
1064	Daly Waters	16 16	133 23	211	984·2	1007·5	— 0·4	312·3	315·8	13th	297·0	290·8	9th	304·7	*304·0*	+0·5	79	—
1065	Mein	13 13	142 47	122	994·5	1008·0	— 0·3	308·6	310·8	6th	294·8	291·3	18th	301·7	..	+0·4	104	—
1066	Georgetown, Queensland	18 22	143 32	302	976·9	1010·1	0·0	309·5	311·9	18th, 21st	295·1	287·6	3rd	302·3	..	+0·6	32	—
1067	Samarai	10 37	150 40	15·2	..	1009·3	— 0·5	303·6	..	..	297·6	..	..	300·6	*300·4*	+1·2	186	—
1072	Suva, Fiji	18 8 S.	178 26 E.	16·8	..	1012·3	— 0·1	302·3	305·4	30th	295·1	292·4	28th	298·7	*298·5*	+0·6	65	—
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 112 and 113. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 112 and 113.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

NOVEMBER—ZONE 11.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature Mean Max. A.	Temperature Absolute Max.	Temperature Date.	Temperature Mean Min. B.	Temperature Absolute Min.	Temperature Date.	Temperature Mean of A and B.	Temperature †24 hr. Mean. *	Temperature Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	6	..	..	..	..	..		..	..	..	..	..	..	84	— 69
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1012·7	1015·9	+ 0·1	291·1	293·8	30th	285·6	284·0	1st, 5th	288·3	*288·2*	+0·8	0	— 2
1122	Iquique	20 12	70 11	9	..	..	..	..	..		289·1	287·0	1st	..	*291·8*	+0·2	0	0
1123	Catamarca	28 27	65 47	510	..	1004·6	— 2·7	305·0	316·2	20th	291·4	283·6	1st	298·2	298·0	−0·1	41	+ 6
1124	Salta	24 46	65 28	1178	878·7	1006·4	— 2·3	300·1	308·8	13th	287·8	281·1	4th	293·9	294·5	+0·2	55	— 5
1125	Goya	29 9	59 15	26	..	1010·0	— 0·9	303·2	309·8	13th	290·9	285·5	2nd	297·1	296·8	+1·4	259	+151
1126	Asuncion	25 21	57 37	95	‡999·1	‡1010·1	— 2·0	305·6	312·0	13th	292·2	285·4	3rd	298·9	298·5	+0·8	223	+ 69
1127	Curityba	25 25	49 17	908	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1128	Rio de Janeiro	22 54	W43 10	61·4	1004·9	1012·0	— 0·4	298·0	306·3	22nd	292·9	291·0	5th	295·5	295·4	−0·7	170	+ 65
1139	Windhoek	22 35	E 17 5	1680	..	..	..	301·7	305·4	30th	290·7	285·0	15th	296·2	*296·4*	+0·9	28	+ 7
1140																		
1141	Kimberley	28 42	24 47	1202	880·8	..	+ 0·1	302·8	306·4	21st	286·1	280·2	16th	294·4	294·4	+0·1	26	— 14
1142	Johannesburg	26 11	28 4	1806	823·5	..	+ 0·3	296·6	301·1	7th	285·2	281·0	4th	290·9	*290·5*	+0·5	108	0
1142*a*	Pretoria (Brooklyn)	25 46	28 13	1400	862·3	..	+ 0·4	300·8	305·6	20th	286·4	282·5	4th	293·6	*293·2*	+0·4	164	..
1143	Durban	29 52	31 3	15·2	1015·3	1017·1	+ 0·2	297·8	308·6	14th	291·3	287·4	3rd, 21st	294·6	*294·1*	+0·2	104	— 24
1144	Lorenzo Marques	25 58	32 36	59	..	1014·7	— 0·2	301·4	309·7	19th	292·5	287·5	5th	297·0	296·6	+0·2	56	— 25
1147	Mauritius	20 6	57 33	55·2	1009·6	1016·1	0·0	301·1	303·4	29th, 30th	292·9	290·4	25th	297·0	296·6	−0·3	34	— 6
1159	Onslow	21 43	114 57	4·3	1009·8	1010·7	+ 0·7	306·8	314·0	10th	290·9	289·2	1st	298·8	..	−0·6	0	— 1
1160	Peak Hill	25 38	118 47	588	943·9	1007·5	— 1·0	307·7	311·9	11th	293·1	285·8	30th	300·4	..	+0·7	5	— 5
1161	Nullagine	21 53	120 5	386	966·6	1008·2	0·0	311·9	315·1	10th	294·3	287·2	4th	303·1	..	+0·2	2	— 11
1162	Laverton	28 40	122 23	466	959·4	1011·3	— 0·6	307·2	313·0	11th	291·4	285·2	2nd	299·3	*299·1*	+1·9	0	— 21
1163	Alice Springs	23 38	133 37	587	946·1	1009·9	+ 0·6	307·1	314·7	13th	290·7	283·8	8th	298·9	*298·7*	−0·3	2	— 23
1164	William Creek	28 55	136 21	76·2	1004·2	1012·8	+ 0·4	306·9	313·6	30th	291·2	283·8	3rd	299·1	*298·6*	+1·2	0	— 11
1164*a*	Thargomindah	22 55	139 38	146	992·5	1008·5	— 0·2	310·3	316·4	30th	293·9	286·4	3rd	302·1	*301·9*	+0·3	14	— 11
1165	Boulia	22 55	139 38	146	992·5	1008·5	— 0·2	310·3	316·4	30th	293·9	286·4	3rd	302·1	*301·9*	+0·3	14	— 11
1166	Mitchell	27 58	143 43	123	996·5	1010·2	..	307·4	314·8	13th	293·3	285·9	1st	300·4	*300·0*	..	2	— 27
1167	Rockhampton	23 24	150 30	11·3	1010·7	1012·0	— 1·2	304·9	312·7	29th	293·3	289·2	3rd	299·1	..	+0·5	19	— 35
1168	Brisbane	27 28	153 2	38·1	1009·6	1013·8	— 0·7	301·9	306·5	1st	291·0	286·6	30th	296·4	*295·7*	+0·3	55	— 38
1169	Quitchambo	21 52	166 3	38	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1170	Norfolk Island	28 58 S.	168 3 E.	15·2	1013·8	1015·6	— 1·0	295·6	299·7	29th	289·7	285·2	25th	292·6	..	+0·3	85	+ 14

Between Latitude 30° S. and 40° S.

NOVEMBER—ZONE 12.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature Mean Max. A.	Temperature Absolute Max.	Temperature Date.	Temperature Mean Min. B.	Temperature Absolute Min.	Temperature Date.	Temperature Mean of A and B.	Temperature †24 hr. Mean. *	Temperature Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1221	Juan Fernandez	33 37	78 50	10	..	..	..	290·0	292·5	18th	284·5	281·3	14th	287·3	*287·2*	−1·1	194	+142
1221*a*	Punta Tumbes	30 37	73 6	91	‡1004·0	‡1015·0	— 2·2	288·2	290·6	26th	282·6	280·5	23rd	285·4	*285·5*	−0·5	58	+ 41
1222	Punta Angeles, Valparaiso	33 1	71 38	41	1010·6	1015·5	— 0·7	292·6	296·5	23rd, 27th	284·2	281·2	1st	288·4	*288·2*	−0·7	17	+ 9
1222*a*	Santiago	33 27	70 42	520	954·4	1014·6	— 0·2	295·7	301·9	27th	282·2	277·3	6th	288·9	*287·9*	−1·3	24	+ 18
1223	Cordoba	31 25	64 12	423	961·0	1009·4	— 1·6	300·5	308·6	..	286·9	281·6	..	293·7	293·2	0·0	152	+ 50
1224	Bahia Blanca	38 45	62 15	25	..	1010·0	— 1·1	297·8	302·5	18th	286·6	280·5	23rd	292·2	292·1	+0·5	205	+152
1225	Buenos Ayres (Chacarita)	34 36	58 22	25	..	1011·9	— 1·7	297·8	304·4	19th	287·9	280·9	27th	292·9	292·5	−0·7	92	+ 15
1226*a*	Montevideo (Prado)	34 52	56 12	24·9	1009·3	1012·2	— 1·1	296·4	306·6	19th	286·1	278·0	8th	291·2	291·5	+0·4	88	+ 7
1226	Porto Alegre	30 2	W51 13	23·5	1009·7	1012·4	— 0·5	299·9	307·0	21st	289·6	283·6	9th	294·7	294·2	−0·1	54	— 19
1239	Cape Town	33 56	E 18 29	12·2	..	1016·2	0·0	296·5	307·4	3rd	285·8	280·1	19th	291·2	*290·1*	+0·3	56	+ 30
1240	Danger Point	34 37	19 18	27·7	1013·2	1016·5	..	292·8	298·6	3rd	285·7	279·7	14th	289·2	..	..	46	..
1241	Riversdale	34 6	21 16	?61	1004·3	..	..	298·4	308·0	4th	284·6	281·9	2, 10, 28	291·5	..	..	32	..
1242	East London	33 1	27 54	9·8	1014·2	1015·4	+ 0·3	296·2	299·7	20th	288·4	283·6	16th	292·3	..	+ 0·5	17	— 68
1259	Perth (Observatory)	31 57	115 51	60·0	1007·6	1014·8	— 0·7	298·0	309·2	6th	288·1	281·9	13th	293·1	*292·8*	+1·2	13	— 7
1260	Katanning	33 42	117 35	310	978·7	1014·4	— 0·4	299·8	309·1	26th	285·1	279·7	13th, 17th	292·4	..	+1·8	34	+ 17
1261	Coolgardie	30 57	121 10	423	965·2	1012·6	— 0·3	304·6	312·2	21st	288·0	282·9	13th	296·3	*296·1*	+1·7	0	— 17
1262	Eucla	31 45	128 58	4·6	1014·5	1015·0	+ 0·4	296·9	314·6	22nd	287·9	280·3	14th	292·4	*291·8*	+0·6	19	+ 1
1263	Streaky Bay	32 48	134 13	13·1	1015·8	1017·3	+ 1·9	300·2	310·9	27th	285·3	279·7	3rd	292·8	*292·0*	+0·4	2	— 15
1264	Adelaide	34 56	138 35	42·7	1011·6	1010·7	+ 1·7	299·2	309·4	22nd	285·6	279·7	5th	292·4	*291·9*	0·0	7	— 22
1265	Melbourne	37 49	144 58	35·1	1012·0	1016·2	+ 2·0	293·5	307·4	23rd	283·1	277·3	18th	288·3	*288·1*	−1·0	13	— 43
1266	Bourke	30 13	145 58	110	1002·3	1014·6	+ 1·8	307·5	317·4	13th	289·1	281·3	2nd	298·3	..	0·0	12	— 20
1267	Sydney	33 52	151 13	44·5	1009·6	1014·6	+ 0·7	295·9	307·6	14th	288·3	282·8	29th	292·1	*291·7*	−0·4	32	— 40
1268	Lord Howe Island	31 20	159 0	4·6	1014·7	1015·2	— 0·6	296·0	299·6	25th	288·8	283·1	6th	292·4	..	−0·4	68	— 38
1271	Auckland	36 50	174 50	38·1	..	1013·2	..	291·2	294·7	18th	284·7	281·3	6th	287·9	..	−0·8	65	— 18
1272	Napier	39 32 S.	176 53 E.	21·3	..	1009·4	— 2·6	293·1	298·6	18th	282·4	278·0	1, 2, 25	287·8	..	−1·1	42	— 11

Between Latitude 40° S. and 50° S.

NOVEMBER—ZONE 13.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature Mean Max. A.	Temperature Absolute Max.	Temperature Date.	Temperature Mean Min. B.	Temperature Absolute Min.	Temperature Date.	Temperature Mean of A and B.	Temperature †24 hr. Mean. *	Temperature Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1321	Chatham Island	43 52	170 42	104	..	..	..	284·3	288·2	8th	280·1	277·0	12th	282·2	*282·2*	−0·5	48	— 22
1322	Isla Huafo	43 34	74 45	140	996·3	1013·3	— 3·3	286·2	288·4	20th	281·7	279·8	7th, 23rd	283·9	*284·4*	−0·6	210	+ 99
1323	Punta Galera	40 1	73 44	40	1009·6	1014·4	— 3·2	286·2	288·4	20th	281·7	279·8	7th, 23rd	283·9	*284·4*	−0·6	210	+ 99
1324	Sarmiento	45 30	69 0	274	..	1006·2	..	293·3	298·0	8th	280·4	277·0	5th	286·9	286·3	−0·5	0	— 10
1325	Puerto Madryn	42 49	W64 58	14	..	1008·2	..	296·8	304·1	18th	282·6	275·0	6th	289·7	289·1	+0·1	6	— 2
1326	Launceston	41 27	E147 10	10·1	1011·3	1012·4	+ 2·1	293·8	301·2	23rd	280·8	276·8	2nd	287·3	*286·5*	−0·2	17	— 29
1326*a*	Hobart	42 53	147 20	53·9	1005·6	1012·1	+ 3·0	290·8	302·1	9th	282·1	277·0	29th	286·4	*285·6*	−0·6	31	— 33
1370	Invercargill	46 25	168 21	5·5	..	..	..	288·2	296·9	16th	278·4	271·9	1st	283·3	..	−1·0	125	+ 12
1371	Dunedin	45 52	170 31	91·4	..	1007·6	— 1·4	288·1	298·6	10th	279·5	274·1	8th	283·8	..	−0·9	119	+ 37
1371*a*	Christchurch	43 31	172 38	7·6	..	1006·4	— 3·6	290·6	299·7	12th	280·2	272·3	9th	285·4	..	−0·9	58	+ 8
1372	Wellington	41 16 S.	174 46 E.	2·4	..	1008·9	— 2·0	289·4	293·9	14th	282·9	277·6	4th	286·2	..	−0·6	85	— 3
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 113 and 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 113 and 114.

NOVEMBER—ZONE 14. Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A. and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	993·6	1000·4	− 0·8	280·1	282·0	9th	276·8	273·6	16th	278·5	*278·5*	−0·8	218	−
1422	Puerto de Punta Arenas	53 10	70 54	4	997·0	997·5	− 2·1	284·5	290·9	27th	276·3	272·3	1st	280·4	*280·3*	−1·4	49	−
1423	Punta Dungeness	52 24	68 26	5	996·0	996·6	− 2·3	283·4	287·8	28th	277·9	275·6	19th	280·7	*280·4*	−1·1	20	−
1424	Santa Cruz	50 11	68 21	12	..	1000·8	− 3·1	290·0	298·2	7th	278·3	273·0	19th	284·1	284·0	−0·7	16	−
1424*a*	Año Nuevo	54 39	64 9	50	988·1	994·2	− 3·0	280·8	283·2	28th	276·0	273·1	24th	278·4	278·3	−0·4	46	−
1425	Stanley, Falkland Is.	51 41	57 51	4	..	..	..	..	..	..	..	..	..	..	..	..	44	−
1426	Cape Pembroke	51 41	57 42	21	..	998·1	− 1·1	284·1	288·6	3rd, 11th	276·5	272·4	25th	280·3	280·4	+0·8	..	..
1429	S. Georgia (Cumberland Bay)	54 14 S.	36 33 W.	4	994·0	994·5	+ 1·1	279·3	285·6	17th	272·9	270·4	10th, 21st	276·1	*276·1*	−0·4	84	−

NOVEMBER—ZONE 15. Between Latitude 60° S. and 70° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A. and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1527	South Orkneys	60 44	44 39	7	991·4	992·3	+ 3·2	273·4	276·1	22nd	269·8	266·7	8th	271·6	271·6	+0·8	23	−

* For formulæ employed *see* page 115. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—NOVEMBER 1918.

Date.	St. Helena. 1035. Direction.	St. Helena. 1035. ††Mean Velocity for the Day.	Fanning Island. 805. Direction.	Sierra Leone. 834. Direction and Force (Beaufort). 9h.	Sierra Leone. 834. Direction and Force (Beaufort). 17h.	Entebbe. 844. Direction and Force (Beaufort). 7h.	Entebbe. 844. Direction and Force (Beaufort). 21h.	Malden Island. 905. Direction and Force (Beaufort). 9h.	Tulagi. 969. Direction and Force (Beaufort). 9h.	Ocean Island. 970. Direction and Force (Beaufort). 9h.	Ocean Island. 970. Direction and Force (Beaufort). 21h.	Suva, Fiji. 1074. Direction and Force (Beaufort). 9h.
	9h.	m/s	10½h.	9h.	17h.	7h.	21h.	9h.	9h.	9h.	21h.	9h.
1	SE	—	SE ..	E 2	E 3	W 2	W 1	SE 2	SE 2	W 4	W 4	SE 1
2	SE	—	SE ..	E 1	NE 2	S 2	W 1	SE 2	SE 6	W 3	W 4	SE 1
3	S	—	SE ..	Calm 0	Calm 0	W 1	SW 1	SE 2	SE 2	W 4	W 4	SE 1
4	SE	—	SE ..	Calm 0	SW 1	W 1	SW 1	E 2	SE 2	W 6	W 5	SE 1
5	SE	—	SE ..	SW 1	SW 1	W 3	W 3	SE 3	SE 6	W 4	W 4	SE 1
6	SE	—	SE ..	E 3	E 2	W 1	W 1	SE 3	SE 4	W 5	W 5	SE 1
7	SE	—	Calm ..	NE 1	NW 2	N 2	NW 3	SE 3	SE 2	W 6	W 6	SE 1
8	SE	—	SE ..	E 3	NE 4	W 2	N 1	SE 3	Calm 0	W 5	W 5	SE 1
9	SE	—	SE ..	NE 1	NE 1	W 2	W 1	SE 2	Calm 0	W 5	W 4	SE 1
10	SE	—	SE ..	NE 3	NE 4	W 1	W 1	SE 2	Calm 0	W 5	W 5	SE 1
11	SE	—	SE ..	NE 3	NW 2	W 2	W –	SE 3	NW 2	W 4	W 4	NE 1
12	SE	—	SE ..	E 4	NE 3	W 2	W 1	NE 2	NW 4	W 3	W 3	NE 1
13	SE	—	SE ..	Calm 0	Calm 0	SW 1	SW 3	NE 2	NW 4	W 2	W 2	N 1
14	SE	—	SE ..	Calm 0	Calm 0	W 2	SE 1	E 2	Calm 0	NW 2	N 2	NE 1
15	SE	—	SE ..	S 4	SW 3	W 1	SW 2	E 2	Calm 0	NNE 3	N 2	Calm 0
16	SE	—	SE ..	NE 1	NE 2	S 2	SW 1	SE 2	NW 4	NNW 2	NW 2	SE 1
17	SE	—	Calm ..	NE 2	NW 3	S 1	SW 1	SE 2	SE 4	NW 2	Calm 0	SE 1
18	SE	—	Calm ..	Calm 0	Calm 0	W 2	S 3	SE 2	Calm 0	NE 2	NE 2	SE 1
19	SE	—	Calm ..	NE 1	NE 2	SE 2	S –	SE 2	Calm 0	NE 2	N 2	NE 1
20	SE	—	Calm ..	Calm 0	SW 1	S 1	SE 2	SE 2	Calm 0	NE 2	E 1	SE 1
21	SE	—	SE ..	Calm 0	SE 1	S 1	SW 2	E 1	SE 2	NW 3	N 2	SE 1
22	SSE	—	SE ..	Calm 0	SE 2	W 1	W 1	SE 2	Calm 0	NNE 2	NE 2	SE 1
23	SSE	—	SE ..	NE 2	NE 2	W –	Calm 0	SE 3	SE 2	NNE 2	WNW 2	SE 1
24	SE	—	SE ..	Calm 0	Calm 0	SW 1	W 1	SE 2	Calm 0	N 1	N 1	SE 1
25	SE	—	SE ..	Calm 0	SW 1	W 1	W 3	SE 2	Calm 0	NNW 2	N 2	SE 1
26	SE	—	SE ..	Calm 0	Calm 0	W 2	SW –	SE 2	SE 4	SW 3	Calm 0	NE 1
27	SE	—	SE ..	Calm 0	Calm 0	Calm 0	SW 1	SE 3	Calm 0	NE 2	Calm 0	SE 1
28	SSE	—	SE ..	E 1	E 2	SW 1	W 3	SE 2	SE 2	SE 2	SE 1	NW 1
29	SE	—	SE ..	Calm 0	Calm 0	W 1	W 1	SE 2	Calm 0	SE 2	F 1	E 1
30	SE	—	SE ..	SW 1	NE 2	W 1	SW 1	E 3	Calm 0	ESE 2	Calm 0	E 1
††Mean	..	—	..	1·1	1·5	1·4	1·5	2·2	1·6	3·1	2·6	..
§Resultant	140° (96)	..	135° (83)	65° (28)		250° (71)		125° (90)	135° (26)	305° (43)		115° (89)
§Normal	142° (93)	8·3	‖116° (76)	285° (8)		255° (36)		72° (82)	131° (52)	108° (36)		101° (89)

†† Mean velocity of the South-East Trade Wind at 632 metres.
§ Direction and "constancy." For explanation see Introduction.
‖ Normal refers to ½(9+21).

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—NOVEMBER 1918.

‡‡ *White Sea* was still open by the middle of the month and there were no signs of the open waters freezing up.

‡‡ *Iceland* was ice free, as usual in this month.

‡‡ *Denmark Strait.*—On the 1st, which is a few days earlier than normal, closely packed polar ice formed, reaching to about 10 miles off-shore. The open sea was still visible beyond the edge.

‡‡ *Davis Strait.*—Winter ice began to form at Upernivik and along most of the west coast at the beginning of the month. The first 'Storis' passed Cape Farewell on the 16th but the sea was free again on the 18th. Usually the first 'Storis' does not come until January.

‡‡ *Baffin Bay.*—Sledges passed over the ice from Cape York to Cape Melville.

‡‡ *Isforholdene i de Arktiske Have, 1918, 1919*, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, DECEMBER 1918

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF DECEMBER 1918 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. DECEMBER—ZONE 1.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A. and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
105	Barrow	71 23	156 17	6·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
123	Inglefield Bay	77 20	67 30	?	..	..	..	..	..	..	..	..	..	..	..	..	..	..
124	Upernivik	72 47	W56 7	18·9	1008·7	1011·2	+ 5·3	256·8	271·3	3rd	250·2	240·0	10th, 11th	253·5	*253·0*	−3·0	5	− 8
125	Spitsbergen(GreenHarbour)	78 2	E 14 14	11·4	1007·7	1009·2	− 0·7	..	276·0	10th	264·1	244·0	31st	..	266·2	+8·6	27	− 12
139	Gjesvaer	71 6	25 22	6·5	1006·8	1007·6	+ 4·6	..	277·0	9th	268·2	264·0	15th	..	*270·5*	+0·7	18	− 49
140	Mehavn	71 1	27 47	6·4	1008·0	1008·8	+ 3·7	..	274·9	3rd	266·2	262·4	28th	..	*269·2*	+0·4	10	− 68
141	Vardö	70 22	31 8	10·0	1010·0	1011·3	+ 6·2	..	276·4	5th	267·3	262·0	28th	..	*270·0*	+1·3	14	− 50
142	Malye Karmakouly	72 23	52 43	14·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
143	Waigatz	70 24	58 47	11·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
147	Maudhavn	77 33 N.	105 40 E.	2·5	1021·0	1021·4	+11·9	..	262·3	8th	241·5	228·0	24th	..	*244·3*	..	..	..

Between Latitude 70° N. and 60° N. DECEMBER—ZONE 2.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A. and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
202	Gambel	63 51	171 35	6·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
203	Nome	64 30	165 24	6·7	..	1003·0	− 5·1	259·7	274·1	30th	252·3	235·2	19th	256·0	*256·3*	−2·4	17	− 10
204	Candle	65 55	161 57	2·4	..	..	..	253·4	270·8	23rd	246·8	228·6	20th	250·1	..	..	..	..
205	Tanana	65 10	152 6	67·1	..	1005·7	− 8·0	251·6	270·2	23rd	244·9	224·1	9th	248·2	*248·4*	−1·0	12	− 14
206	Rampart	65 30	150 15	122	..	..	..	249·7	268·6	24th, 25th	240·9	221·9	9th 10th	245·3	..	..	15	− 4
207	Valdez	61 7	146 16	8·2	..	1001·0	− 3·2	269·8	278·0	26th	262·4	249·7	13th	267·1	*267·0*	+0·3	209	+ 50
208	Eagle	64 46	141 12	254	..	1007·8	− 6·7	256·1	278·6	22nd	240·6	223·6	4th	251·3	..	+0·3	8	− 4
209	Dawson	64 4	139 20	328	968·6	1012·5	− 0·7	253·6	276·9	22nd	245·8	228·0	15th	249·7	..	+1·5	19	− 13
210	Carcross	60 11	134 34	662	..	..	..	265·7	276·9	23rd, 24th	254·7	233·0	13th, 14th	260·2	..	+0·4	6	− 12
211	Fort Good Hope	66 25	128 53	65·2	1006·8	1016·1	..	248·6	273·6	24th	237·4	223·0	3rd, 4th	243·0	..	..	5	− 17
212	Fort Simpson	61 52	121 35	129	987·8	1005·5	..	252·4	268·0	24th	243·6	230·8	13th	248·0	..	−1·0	11	− 9
213	Hay River	60 51	115 20	161	991·2	1012·9	..	259·7	275·2	17th	247·4	235·8	5th	253·6	..	+1·7	14	..
215	Jacobshavn	69 13	51 2	12·6	1005·6	1007·3	+ 3·3	261·3	272·9	2nd	255·2	247·7	28th	258·3	*258·5*	−1·5	16	+ 4
216	Godthaab	64 11	51 43	9·0	1000·0	1001·2	+ 2·1	266·6	272·0	16th	262·2	255·4	26th	264·4	*264·7*	−0·4	..	..
217	Ivigtut	61 12	48 10	5·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
219	Angmagsalik	65 37	37 33	31·7	998·4	1002·4	+ 4·1	269·3	278·9	10th	262·8	253·3	24th	266·1	*266·3*	+0·1	7	− 69
231	Stykkisholn	65 5	22 46	11·3	999·6	1001·0	+ 2·0	274·7	281·5	5th	269·6	263·5	25th	272·1	*272·1*	+0·4	30	− 34
232	Vestmanno	63 26	20 15	7·7	995·0	996·0	− 3·2	277·3	281·6	5th	272·1	265·4	26th	274·7	*274·9*	+0·6	64	− 76
233	Grimsey	66 33	17 58	22	997·4	1000·1	− 1·0	273·9	280·1	5th	269·9	264·1	21st	271·9	*272·0*	+0·3	..	..
234	Akureyri	65 40	18 4	6·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
235	Berufjord	64 40	14 19	18·0	997·0	999·2	− 1·5	275·4	281·6	4th	270·6	262·8	31st	273·0	*273·2*	+0·7	194	+ 57
236	Thorshavn	62 3	6 45	26·3	994·6	997·8	− 4·0	278·7	284·0	4th	275·0	268·6	31st	276·9	*276·7*	+0·5	134	− 34
237	Lerwick	60 9	W 1 8	147	982·4	1000·5	− 3·8	278·9	282·4	4th	275·6	271·3	31st	277·3	*277·8*	..	109	..
238	Bergen (Met. Obs.)	60 24	E 5 19	44·4	998·3	1003·8	− 5·3	278·0	283·6	5th	274·4	267·7	26th	276·2	*276·1*	+1·2	177	− 4
239	Christiansund	63 7	7 45	17·8	1000·3	1002·5	− 3·8	..	281·5	1st	273·6	268·3	24th	..	*275·6*	+0·4	101	− 12
240	Trondhjem	63 26	10 25	39·5	999·9	1004·9	− 2·7	272·7	279·9	1st	267·7	257·9	21st	270·2	*270·1*	−0·6	33	− 54
241	Bodö	67 17	14 24	22·4	1002·4	1005·2	+ 0·2	..	278·6	2nd	268·5	262·8	26th	..	*271·4*	−0·2	48	− 36
242	Haparanda	65 50	24 9	9·2	1010·0	1011·2	+ 2·0	268·6	275·0	2nd	261·7	251·5	26th	265·1	*265·6*	+2·6	52	+ 20
242*a*	Helsingfors	60 10	24 57	11·7	1009·4	1010·9	− 1·3	272·6	279·5	3rd	268·1	259·9	14th	270·3	*270·6*	+1·1	99	+ 48
243	Kuopio	62 54	27 40	90·3	1001·2	1012·9	+ 1·4	268·9	274·3	2nd	263·6	258·0	31st	266·3	*266·7*	+1·3	57	+ 15
244	Kola	68 53	33 1	6·7	1012·8	1013·7	+ 5·9	268·3	273·7	3rd	262·5	247·3	28th	265·4	*265·8*	+3·3	22	+ 5
245	Petrozavodsk	61 47	34 23	38·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
246	Arkhangelsk	64 35	40 36	6·2	1018·8	1019·6	+ 8·5	266·6	273·3	4th	261·4	254·2	13th, 31st	264·0	*264·2*	+2·5	23	− 1
247	Mezen	65 50	44 16	12·6	1018·8	1020·4	+ 9·9	264·6	273·0	4th	258·5	245·2	8th	261·6	*261·8*	+2·2	7	− 3
248	Oust-Tsyima	65 25	52 14	? 70	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Tcherdyn	60 24	56 31	?177	998·8	1022·6	+ 5·4	259·3	270·7	4th	254·3	238·9	23rd	256·8	*256·6*	+0·5	40	+ 3
249	Berezov	63 56	65 4	39·9	1029·1	1034·6	+19·7	259·7	268·0	1st, 2nd	251·1	243·1	13th	255·4	*255·5*	+3·9	45	+ 31
250	Obdorsk	66 31	66 35	23·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
251	Sourgout	61 15	73 24	? 40	1030·0	1035·6	+17·5	..	262·6	11th	246·3	229·2	17th	..	*250·3*	−2·2	21	+ 3
252	Doudinka	69 23	86 4	20	1027·5	1030·2	+14·6	..	267·5	13th	238·7	223·2	3rd	..	*243·7*	..	16	..
253	Touroukhansk	65 47	87 57	45	1029·2	1035·8	+15·8	..	266·0	13th	235·3	219·7	5th	..	*240·3*	−5·4	19	+ 4
262	Iakoutsk	62 1	129 43	108	1011·2	1027·6	+ 1·4	..	239·3	3rd	225·3	217·9	10th	..	*228·8*	−3·7	0	− 11
263	Verkhoïansk	67 33	133 23	100	1007·0	1022·4	+ 0·6	..	230·5	6th	222·3	213·7	29th	..	*224·3*	−2·0	3	− 1
271	Markovo-sur-Anadyr	64 45	170 50	25·9	1011·4	1015·0	+ 2·8	..	..	..	237·0	223·9	28th	..	‡*242·3*	−5·4	6	− 3
272	Novo-Mariinskii Post	64 45	177 33	23·5	1009·1	1012·3	0·0	251·0	260·5	26th	244·6	233·6	28th	247·8	‡*247·8*	−5·0	4	− 6
		° N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 105 and 106. †Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 105 and 106.

DECEMBER—ZONE 3.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A. and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
301	Atka	52 12	174 20	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
302	St. Paul Island	57 15	170 10	6·1	..	994·2	− 8·5	272·9	275·8	4th	266·4	257·4	18th	269·7	..	..	11	..
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	993·5	− 8·2	275·6	286·3	5th	269·8	265·8	19th, 24th	272·7	..	−0·2	..	..
304																		
305	Dillingham	59 0	158 28	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
306	Kodiak (Radio)	57 46	152 22	6·1	..	994·3	− 7·5	275·3	281·3	2nd, 30th	269·4	253·0	9th	272·3	..	..	168	..
309	Sitka	57 3	135 19	27·4	..	1006·8	− 1·0	277·3	281·9	16, 22, 25	271·2	264·1	11th	274·2	*274·3*	−1·1	341	..
310	Prince Rupert	54 18	130 18	51·8	1001·7	1008·2	− 1·5	277·4	281·3	24th	273·0	268·6	5th, 12th	275·2	*274·9*	−1·2	269	..
311	Barkerville	53 2	121 35	1274	866·2	1016·3	− 2·3	269·7	275·8	27th	263·6	251·9	30th	266·6	*266·6*	−0·4	99	..
312	Kamloops	50 42	120 29	385	976·6	1024·7	+ 2·1	274·1	280·8	7th	269·1	260·2	30th	271·6	*271·6*	+0·3	23	..
313	Calgary	51 2	114 2	1045	891·6	1015·5	− 3·8	274·7	284·1	7th, 15th	262·4	253·0	22nd	268·6	*267·9*	+2·0	21	..
314	Fort Chipewyan	58 42	111 10	218	985·1	1013·8	..	262·4	276·3	9th	251·9	238·6	14th	257·2	*257·1*	+0·8	30	..
315	Prince Albert	53 10	106 0	442	961·9	1018·2	− 0·3	268·6	279·7	7th	257·4	242·4	31st	263·0	*262·9*	+4·8	15	..
316	Qu'Appelle	50 30	103 47	645	937·2	1017·7	+ 1·1	268·0	276·9	7th	259·7	239·7	31st	263·8	*263·6*	+2·6	18	..
317	Minnedosa	50 15	99 50	515	953·6	1019·1	+ 0·6	265·8	274·1	7th	256·9	234·7	31st	261·3	*261·2*	+1·6	13	..
318	Berens River	52 18	97 23	216	..	..	..	264·4	273·0	8th, 20th	254·5	235·2	31st	259·4	..	+2·7	8	..
318*a*	Port Nelson	57 4	92 36	14·9	1015·1	1017·1	+ 1·8	258·0	273·6	20th	248·0	234·7	31st	253·0	..	+2·8	16	..
319	Fort Hope	51 33	87 49	‡260	986·1	1018·6	..	263·6	275·2	19th	254·1	237·4	31st	258·8	*258·3*	+3·9	17	..
320	Moose Factory	51 14	80 30	9·1	1017·4	1018·6	+ 1·4	268·0	283·0	20th	255·8	243·6	24th	261·9	..	+4·1	11	..
321	Fort George	53 50	79 5	97·5	..	..	..	261·7	274·1	20th	254·3	244·1	24th, 25th	258·0	*257·8*	..	..	..
322	Mistassini Post	50 15	73 55	383	..	..	..	263·4	275·8	22nd	254·9	240·8	31st	259·2	..	+3·3	57	..
323	Hebron	58 12	62 21	15·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
324	Natashquan	50 8	61 48	?	..	..	..	265·8	274·7	24th	257·0	244·1	8th	261·4	..	−3·2	66	..
326	Belle Isle	51 53	55 23	133	994·1	1011·3	+ 4·2	268·0	274·7	24th	259·1	253·0	9th	263·6	*264·3*	+0·7	112	..
334	Cahirciveen (Valencia Obs.)	51 56	10 15	13·7	1007·1	1008·8	− 1·9	283·7	286·3	3rd	280·2	275·2	25th	282·0	282·2	+1·5	205	..
335	Aberdeen	57 10	2 6	26·8	999·6	1002·9	− 4·2	279·8	285·2	1st	276·0	271·9	22nd	277·9	277·9	+1·2	61	..
336	Greenwich	51 28	W 0 0	46·3	1005·5	1011·1	− 1·9	282·9	288·6	3rd	278·1	271·3	26th	280·5	280·8	+2·9	51	..
337	Uccle	50 48	E 4 22	100	1000·0	1012·3	− 4·4	282·0	286·4	13th	276·9	271·1	1st	279·4	279·4	+3·9	111	..
338	De Bilt	52 6	5 11	3·0	1010·5	1010·9	− 4·3	281·3	285·2	16th	276·2	271·6	26th, 27th	278·7	278·8	+3·7	106	..
338*a*	Hamburg	53 33	9 58	26·0	1006·7	1009·9	− 4·0	279·7	284·0	14th	275·8	272·2	27th	277·7	277·7	+3·3	126	..
339	Copenhagen	55 41	12 36	5·0	1007·4	1008·0	− 5·3	277·2	281·0	15th, 16th	274·2	270·5	23rd	275·7	*276·1*	+0·6	57	..
340	Potsdam	52 23	13 4	84·9	1001·0	1011·6	− 3·8	278·6	283·0	14th	274·4	270·0	23rd	276·5	276·3	+2·5	84	..
340*a*	Upsala	59 51	17 38	24	1005·3	1008·3	− 2·7	272·5	280·0	3rd	267·4	256·0	18th	270·0	270·1	+0·6	69	..
341	Warsaw	52 13	21 1	133	997·8	1014·6	− 2·4	273·9	277·6	30th	269·3	262·8	12th	271·6	271·8	+1·1	30	..
342	Dorpat (Jurjev)	58 23	26 43	74·5	1003·9	1013·5	+ 0·5	270·8	276·0	17th	266·6	255·1	14th	268·7	268·7	+0·6	50	..
343	Petrograd	59 56	30 16	4·8	1013·4	1014·0	+ 1·3	269·6	275·3	18th	265·2	254·9	15th	267·4	*267·3*	+0·1	34	..
344	Kiev	50 27	30 30	183	994·4	1017·6	− 1·1	271·6	275·6	31st	268·3	261·2	12th	270·0	*270·1*	+1·4	60	..
344*a*	Moscow	55 50	37 33	167	998·6	1020·3	+ 2·7	267·6	274·4	3rd	262·8	254·4	10th	265·2	*265·4*	−0·5	46	..
345	Saratov	51 32	46 3	59·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
346	Kazan	55 47	49 8	79·9	1022·0	1032·8	+13·5	262·4	273·5	6th	256·7	245·2	21st	259·6	*259·9*	−2·5	27	..
347	Orenburg	51 45	55 6	109	1021·9	1036·9	+13·3	259·6	273·4	7th	251·9	237·2	28th	255·8	*256·1*	−5·2	30	..
348	Perm	58 1	56 16	163	1013·8	1035·9	+17·0	259·6	272·5	7th	254·3	239·1	23rd	257·0	*257·1*	−2·9	30	..
349	Ekaterinburg	56 49	60 38	281	999·0	1036·7	+15·7	260·2	270·5	6th	254·6	244·6	25th	257·4	*257·2*	−1·7	6	..
350	Tobolsk	58 12	68 14	?108	1023·5	1038·5	+17·6	257·3	268·0	6th	251·2	237·0	18th	254·2	*254·3*	−1·7	15	..
351	Akmolinsk	51 12	71 23	?347	991·8	1039·5	+ 9·9	..	266·6	8th	245·3	230·8	19th	..	*249·7*	−9·3	5	..
352	Omsk	54 58	73 23	90	..	..	..	..	..	..	..	..	..	..	*250·9*	−5·1	6	..
353	Barnaoul	53 20	83 48	162	1016·8	1039·4	+ 9·8	253·2	269·2	6th	245·5	228·3	22nd	249·4	*249·7*	−7·8	38	..
354	Tomsk	56 30	84 58	122	1020·4	1037·7	+10·9	..	264·2	7th	244·5	232·6	16th	..	*248·5*	−7·3	33	..
355	Minousinsk	53 43	91 41	249	1005·0	1039·8	+ 7·9	..	264·8	29th	242·8	228·4	18th	..	*248·1*	..	18	..
356	Eniseisk	58 27	92 10	77·6	1025·6	1036·8	+ 9·7	..	260·2	14th	239·1	225·1	17th	..	*244·4*	−7·9	20	..
357	Irkutsk	52 16	104 19	467	972·4	1035·4	+ 3·7	..	263·7	29th	245·6	231·9	19th	..	*250·7*	−4·2	19	..
358	Kirensk	57 47	108 7	263	996·3	1033·5	+ 3·1	..	259·0	14th	235·2	221·4	17th, 18th	..	*243·0*	−5·0	18	..
359	Tchita	52 2	113 30	687	938·3	1029·8	− 0·6	..	261·4	15th	241·3	230·8	9th	..	*247·4*	−1·3	0	..
360	Nertchinskii Zavod	51 19	119 37	626	945·0	1030·4	+ 0·9	..	255·9	26th	237·9	232·1	9th, 22nd	..	*242·1*	−4·5	1	..
361	Tygan Ourkan	54 5	124 46	379	971·9	1024·4	..	248·4	257·4	2nd	236·7	228·9	17th	242·6	*242·5*	..	0	..
362	Blagoveshchensk (Bureau Météor.)	50 16	127 30	142	1004·2	1024·1	+ 2·3	252·3	259·0	2nd, 3rd	241·9	236·0	30th	247·1	*246·6*	−4·2	2	..
363	Paikanskii Sklad	50 11	130 7	?145	1002·7	1023·5	..	248·9	257·8	1st	234·2	227·1	28th	241·6	*240·6*	..	0	..
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	1009·4	1012·3	− 0·5	..	269·5	8th	246·0	235·7	31st	..	*249·7*	−3·0	6	..
366	Okhotsk	59 21	143 12	6·0	1005·6	1006·4	− 5·3	255·0	264·2	11th	..	..	..	..	*252·5*	+2·1	1	..
367																		
368	Petropavlovsk (Radio)	53 0	158 39	13·5	995·2	996·9	− 5·1	269·9	277·9	8th	263·5	253·4	28th	266·7	*266·8*	..	74	..
369																		
371	Attu Island	52 56 N.	173 13 E.	4·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 106 and 107. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.

DECEMBER—ZONE 4.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	70·1	1009·5	1018·3	+ 1·5	280·2	283·6	13th, 14th	275·8	271·9	31st	278·0	277·8	0·0	182	+ 32
412	Portland, Oregon	45 32	122 41	46·6	1015·1	1020·6	+ 1·8	281·3	289·1	3rd	276·2	269·1	31st	278·7	*278·6*	+0·4	80	− 99
413	Macleod																	
414	Helena	49 44	113 24	953	..	..	..	277·1	283·6	8th	266·5	253·0	30th	271·8	*271·8*	+2·4	19	+ 5
414*a*	Salt Lake City	40 46	111 54	1329	869·5	1021·0	− 0·3	276·0	285·8	6th	269·1	260·2	31st	272·6	*272·8*	−0·3	13	− 22
415	Cheyenne	41 8	104 48	1856	810·8	1019·3	+ 0·5	274·3	280·3	6th	265·8	248·6	31st	270·1	*270·5*	−0·8	15	+ 4
416	North Platte	41 8	100 45	859	917·6	1020·3	+ 0·5	276·9	293·6	4th	265·2	251·9	31st	271·1	*270·5*	+0·5	33	+ 18
416*a*	Bismarck	46 47	100 38	511	956·8	1020·0	+ 0·3	272·5	286·9	6th	261·9	239·1	31st	267·2	*267·4*	+3·8	26	+ 11
417	Winnipeg	49 53	97 7	232	988·5	1018·6	+ 0·7	266·9	277·4	7th	258·6	241·9	31st	262·7	*262·4*	+4·3	33	+ 8
418	Duluth	46 47	92 6	345	974·3	1017·3	− 0·4	271·2	279·7	8th	265·5	255·8	23rd	268·3	*268·4*	+4·5	52	+ 29
419	Port Arthur	48 27	89 12	196	993·6	1018·8	+ 1·6	270·8	276·9	8, 20, 22	261·9	250·8	30th	266·3	*266·6*	+3·4	31	+ 10
420	Chicago	41 53	87 37	251	986·5	1017·3	− 1·3	278·5	286·3	19th	273·8	263·0	26th	276·2	*276·3*	+4·4	82	+ 31
421	Toronto	43 40	79 24	116	1004·4	1019·2	+ 1·7	275·8	283·6	14th	269·1	263·0	1st	272·4	*272·4*	+2·6	84	+ 12
422	New York (Central Park)	40 46	73 58	30·2	1015·9	1019·6	+ 1·4	280·5	290·2	14th	273·7	267·4	6th	277·1	*277·0*	+2·7	92	+ 5
423	St. John, N.B.	45 17	66 4	36·2	1013·9	1018·5	+ 4·4	272·4	281·3	15th, 21st	265·8	256·9	31st	269·1	*268·9*	+0·3	79	− 27
424	S.W. Point, Anticosti	49 24	63 33	9·1	1016·1	1017·3	+ 7·1	268·6	275·8	23rd	263·6	254·1	8th	266·1	*266·1*	−0·3	64	+ 9
424*a*	Sable Island (Main Station)	43 57	60 6	7·6	1017·6	1018·6	+ 7·3	275·8	281·3	25th, 26th	271·9	266·9	2nd, 8th	273·8	*273·9*	−1·5	167	+ 30
425	Port aux Basques	47 35	59 10	9·1	1014·1	1015·3	+ 5·5	271·9	277·4	26th	266·9	260·8	12th	269·4	*269·4*	−1·5	157	+ 18
426	St. John's, Newfoundland	47 34	52 42	38·1	1007·3	1012·1	+ 3·1	273·0	280·2	29th	266·9	259·1	9th	269·9	*270·1*	−1·4	84	− 59
435	Madrid	40 24	3 41	655	947·4	1025·9	+ 4·1	284·3	290·8	1st	274·0	268·4	27th	279·1	278·6	+1·0	11	− 31
436	Nantes	47 15	W 1 34	36·5	1013·5	1018·0	− 0·2	284·3	287·1	15th	279·5	273·6	26th	281·9	282·1	+4·4	87	+ 2
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1010·3	1016·5	− 1·7	282·9	289·7	13th	277·3	271·2	1st	280·1	280·3	+4·6	60	+ 18
438*a*	Marseilles	43 18	5 23	75	..	1017·3	+ 1·0	286·4	291·4	13th	278·6	271·1	27th	282·5	*282·3*	+2·6	17	− 56
439	Zürich	47 23	8 33	493	959·5	1019·3	− 1·1	279·8	287·5	14th	274·4	269·2	27th	277·1	276·7	+4·3	180	+107
440	Rome	41 54	12 27	45	1010·7	1016·0	+ 0·7	285·9	289·3	23rd	277·8	273·5	22nd	281·8	*281·5*	+0·5	55	− 35
441	Buda-Pesth	48 15	16 22	203	991·0	1016·1	− 3·3	278·4	287·5	30th	273·6	265·6	3rd	276·0	275·9	+3·4	99	+ 57
442	Sofia	47 31	19 2	130	1001·0	1017·1	− 2·6	277·0	283·4	30th	272·7	270·5	3rd	274·8	*274·5*	+1·5	59	+ 5
	Bucharest	42 42	23 20	550	952·2	1019·2	− 0·7	277·0	282·4	20th	271·6	266·2	23rd	274·3	*274·2*	+0·9	19	− 12
443	Odessa (University)	44 25	26 5	82	1007·8	1018·1	− 2·3	277·8	286·9	31st	272·7	267·4	23rd	275·3	274·9	+2·3	20	− 20
444	Kharkov (University)	46 26	30 46	42·8	1011·9	1017·3	− 2·1	277·8	282·5	31st	273·6	266·2	8th	275·7	*275·6*	+3·2	34	+ 4
444*a*	Novorossiisk	50 0	36 14	140	1002·3	1020·3	− 1·1	271·1	276·4	29th	266·3	257·5	10th	268·7	*268·9*	+0·9	86	+ 51
445	Tiflis	44 44	37 49	37·1	1013·5	1018·1	− 1·0	283·9	293·8	2nd	276·6	268·1	18th	280·2	*280·2*	+2·3	110	+ 20
446	Astrakhan	41 43	44 48	404	974·6	1024·2	+ 1·1	279·6	287·7	6th	273·4	267·0	21st	276·5	*275·9*	+0·1	23	+ 1
447	Fort Alexandrovsk	49 21	48 2	−13·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
448	Krasnovodsk	40 0	52 59	−17·2	1026·6	1024·5	+ 2·3	277·7	287·6	7th	272·7	261·1	27th	275·2	*275·1*	−3·9	17	+ 2
449	Aralskoe More																	
450	Tachkent	46 47	61 42	56	1026·7	1034·4	+ 6·8	261·6	273·3	8th	254·7	240·7	21st	258·2	*258·4*	−5·3	3	..
451	Narynskoe	41 20	69 18	478	968·6	1028·3	+ 2·0	275·4	286·8	8th	267·0	247·8	26th	271·2	*270·8*	−4·5	?53	+ 15
452	Vernyi	41 26	76 2	?2015	798·4	..	..	..	..	..	247·4	239·2	26th	..	*252·9*	−6·9	9	..
453		43 16	76 53	841	..	..	..	..	..	..	..	..	..	..	..	..	..	..
454	Mukden																	
455	Joshin	41 48	123 23	43·8	1022·1	1027·9	+ 1·3	268·5	277·3	4th	257·2	248·0	12th	262·9	262·3	−0·3	5	− 1
456	Yuki	40 40	129 11	4·0	1022·2	1022·7	+ 2·3	274·3	282·5	6th	263·1	257·0	30th	268·7	268·0	−1·1	63	+ 26
457	Vladivostok	42 20	130 24	65·6	1014·9	1023·6	..	269·6	278·3	5th	261·3	256·7	23rd	265·5	265·4	..	5	..
458	Ochiai	43 7	131 55	128	1006·7	1023·6	+ 2·1	266·1	275·4	6th	258·9	251·8	29th	262·5	262·2	−1·0	8	− 5
459	Nemuro	47 20	142 44	6·6	1009·8	1010·7	− 1·2	266·1	276·6	1st	254·0	243·3	30th	260·1	260·7	−2·8	29	− 41
459*a*	Syana	43 20	145 35	26·7	1009·1	1012·5	+ 1·4	272·5	282·2	1st	265·3	258·9	30th	268·9	269·4	−2·1	23	− 37
		45 14 N.	147 53 E.	39·3	1004·0	1009·0	+ 0·1	271·7	280·8	1st	266·7	260·8	29th	269·2	269·3	−1·4	102	− 10

Between Latitude 40° N. and 30° N. DECEMBER—ZONE 5 (Western Half).

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		N.	W.															
511	San Francisco	37 48	122 26	47·2	1014·0	1019·6	− 0·7	286·3	290·8	3rd	279·9	276·3	31st	283·1	*282·9*	−0·6	67	− 37
512	San Luis Obispo	35 18	120 39	61·3	1011·3	1018·9	− 0·8	290·2	301·3	3rd	276·9	270·2	31st	283·6	*282·9*	−1·7	49	− 48
513	San Diego																	
514	Modena	32 43	117 10	26·5	1013·5	1016·6	− 1·3	290·7	298·6	3rd	280·6	274·7	31st	285·7	*285·8*	−0·4	43	− 1
515	Santa Fé	37 48	113 54	1670	833·8	1020·3	− 1·0	276·7	289·7	4th	263·4	248·6	31st	270·0	*269·2*	−0·6	51	+ 38
516	Denver	35 41	105 57	2138	784·9	1019·3	+ 0·8	275·1	286·3	5th	265·3	255·2	25th	270·2	*270·0*	−2·1	31	+ 13
517	Abilene	39 45	105 0	1613	836·5	1019·3	+ 0·8	277·5	291·9	5th	266·9	249·7	31st	272·2	*272·8*	−0·3	36	+ 18
518	Saint Louis	32 23	99 40	530	956·6	1019·3	− 0·1	286·3	297·4	8th	275·2	265·8	25th	280·8	*279·9*	−0·3	64	+ 33
519	Mobile	38 38	90 12	173	996·6	1017·6	− 2·6	283·1	296·3	9th	275·2	263·0	26th	279·1	*278·8*	+3·9	68	+ 14
520	Nashville	30 41	88 2	17·4	1018·3	1020·3	− 0·3	289·6	295·2	13th	281·9	271·3	26th	285·8	*285·7*	+1·9	125	+ 5
521	Charleston	36 10	86 47	166	999·9	1020·0	− 1·0	286·0	293·6	10th	277·2	268·0	29th	281·6	*281·9*	+3·8	116	+ 15
522	Washington	32 47	79 56	14·6	1019·0	1020·6	− 0·2	288·4	296·3	14th	281·4	271·3	29th	284·9	*285·2*	+1·5	81	+ 7
523		38 54	77 3	34·1	1016·7	1021·0	+ 0·9	281·9	292·4	9th	274·7	268·6	27th	278·3	*278·1*	+2·8	118	+ 36
524	Bermuda	32 18	64 46	46·0	1015·7	1021·2	+ 2·4	294·1	296·7	3rd, 17th	288·7	284·3	30th	291·4	*291·1*	+0·2	106	− 5
530	Santa Cruz (Flores)	39 27	31 9	28	1018·8	1021·9	+ 2·3	292·0	294·2	2nd	288·1	282·4	13th	290·0	*290·2*	+1·7	213	+ 16
531	Horta	38 32	28 38	65	1016·3	1023·5	+ 2·8	290·8	293·3	24th	287·7	284·7	14th	289·3	289·7	+0·9	81	− 41
532	Ponta Delgada	37 44	25 40	22	1023·7	1025·5	+ 4·0	291·2	293·4	8th	288·4	285·4	14th	289·8	289·8	+1·1	..	..
532*a*	Faja da Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	146	+ 21
533	Madeira (Funchal)	32 37	16 54	25	1025·5	1028·5	+ 7·6	292·5	294·6	6th	287·2	285·4	15th, 28th	289·8	*289·8*	+0·2	36	− 68
534																		
535																		
536	Lisbon	38 43	9 9	95	1015·4	1027·1	+ 6·6	286·9	290·1	21st	282·2	278·3	3rd	284·5	*284·6*	+0·6	45	− 58
536*a*	Gibraltar	36 6	5 21	16·2	1023·1	1025·0	+ 4·9	290·2	293·6	29th	282·3	278·6	28th	286·3	*286·2*	0·0	6	−136
	Melilla	35 18 N.	2 59 W.	8	‡1023·6	‡1024·6	+ 5·0	290·5	295·4	2nd	279·0	277·2	3 times	284·7	*286·4*	−3·2	9	− 46
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

DECEMBER—ZONE 5 (Eastern Half).

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal.	Temperature. Mean Max. A.	Absolute Max.	Date.	Mean Min. B.	Absolute Min.	Date.	Mean of A and B.	‡24 hr. Mean. *	Diff. from Normal.	Precipitation. Total.	Diff. from Normal.
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Palma	39 34	2 39	23	1020·6	1023·4	+ 6·0	288·5	291·4	13th	281·6	277·6	28th	285·1	..	+0·2	34	..
538	Algiers (Bouzaréah)	36 48	3 2	343	981·4	1022·2	+ 3·0	286·8	292·0	6th	282·3	274·8	27th	284·5	284·4	+0·4	140	..
539	Tunis	36 48	10 10	21	1017·3	1020·0	+ 3·0	288·2	292·8	24th	281·1	278·0	27th	284·6	*284·3*	0·0	57	..
539*a*	Malta	35 54	14 31	56·4	..	1015·9	− 1·3	289·2	292·2	10th	284·7	281·9	2nd	286·9	*286·4*	−0·5	94	..
540	Riposto	37 41	15 14	14·2	..	1018·3	+ 0·6	289·2	291·6	25th	283·1	281·0	2nd	286·1	*285·6*	+0·2	121	..
541	Athens	37 58	23 43	107	1002·8	1015·8	− 0·8	287·3	290·9	9th	281·7	277·5	7th, 23rd	284·5	284·5	+1·1	88	..
542	Alexandria	31 12	29 53	32·0	1013·8	1017·6	− 0·8	293·7	301·6	3rd	285·2	282·4	16th, 22nd	289·5	*289·2*	+0·4	50	..
543	Cairo (Helwan)	29 52	31 20	116	1004·8	1018·8	0·0	293·4	300·2	2nd	283·7	279·8	22nd	288·5	287·8	+0·3	2	+ 1
544	Nicosia (P.W.D.)	35 9	33 22	159	997·6	1016·6	− 1·3	289·7	295·2	4th	?280·1	?275·8	8th	?284·9	..	+0·8	134	+ 7
544*a*	Beirut	33 54	35 28	33·7	..	1017·3	+ 0·4	291·2	295·8	3rd	286·3	282·4	24th	288·7	*288·4*	0·0	304	+ 6
545	Baghdad	33 21	44 28	38·1	..	1020·3	0·0	290·3	297·9	1st	280·4	274·2	28th	285·4	*284·6*	+0·8	34	+ 1
546	Busrah	30 31	47 53	7·6	1020·1	1021·2	− 1·1	291·8	298·5	3rd	281·6	276·2	13th	286·7	..	+0·2	90	+ 2
546*a*	Lenkoran	38 46	48 51	−19·3	..	..	..	..	..	..	..	..	..	..	..	..	..	..
547	Teheran	35 41	51 25	1220	..	..	..	282·5	288·9	3rd	273·2	268·1	30th	277·9	*277·4*	−0·9	11	− 2
548	Meshed	36 16	59 35	946	..	..	..	..	..	..	..	..	..	..	..	..	..	..
549	Seistan	31 0	61 30	?	..	..	..	287·3	292·7	20th	273·3	269·6	30th	280·3	..	..	9	..
550	Quetta	30 11	67 3	1677	836·4	..	− 0·4	284·1	289·1	10th	270·7	264·3	7th	277·4	*276·9*	−1·7	61	+ 2
551	Peshawar	34 2	71 37	339	981·5	1022·9	+ 0·9	290·1	295·2	30th	277·0	272·1	23rd	283·6	*282·4*	−1·2	18	− 1
551*a*	Lahore	31 34	74 20	214	994·2	1020·4	+ 0·7	293·9	298·4	30th	278·8	274·8	24th	286·3	*285·4*	−0·2	6	− 1
552	Simla	31 7	77 8	2205	782·9	..	+ 0·2	281·3	289·4	30th	275·8	271·4	14th	278·6	*278·1*	−1·5	9	− 2
552*a*	Leh	34 10	77 42	3503	665·5	..	− 1·3	..	..	..	261·6	255·9	18th	..	..	..	3	..
559	Hankow	30 35	114 17	37·0	1023·1	1027·7	− 0·7	280·2	285·8	14th	275·3	269·6	23rd	277·7	*277·6*	−1·4	100	+ 2
560	Tientsin	39 10	117 10	5·0	1028·3	1028·9	+ 0·7	273·9	280·0	18th	266·3	260·4	29th	270·1	*270·1*	−0·4	1	− 2
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1025·2	− 0·9	283·5	289·7	1st	277·9	267·1	30th	280·7	280·1	+1·5	153	+ 7
562	Jinsen (Chemulpo)	37 29	126 37	67·6	1016·8	1025·5	+ 0·9	276·7	282·8	5th	268·6	260·9	29th	272·7	272·1	0·0	7	− 4
562*a*	Nagasaki	32 44	129 52	133	1005·6	1022·0	0·0	284·2	290·4	20th	278·1	272·9	29th	281·2	281·0	+0·2	98	+ 2
563	Kioto	35 1	135 44	42·9	1016·0	1021·4	+ 2·3	283·0	289·4	1st	273·3	269·2	31st	278·1	277·4	+0·1	72	+ 6
564	Tokio	35 41	139 45	21·3	1016·1	1018·7	+ 2·3	281·7	288·0	7th	273·1	269·3	24th	277·4	276·9	−1·3	80	+ 2
565	Kanayama	37 53	140 46	24·6	1015·6	1018·7	+ 2·7	279·2	289·9	1st	269·9	264·5	30th	274·5	274·4	−1·6	35	− 2
566	Miyako	39 38	141 59	30·4	1013·5	1017·3	+ 3·1	280·1	287·5	1st	268·8	262·2	30th	274·5	273·6	−1·6	8	− 2
		N.	E.															

DECEMBER—ZONE 6.

Between Latitude 30° N. and 20° N.

		N.	W.															
605	Honolulu	21 19	157 52	11·6	1016·7	1018·0	+ 1·7	298·3	299·7	..	..	..	..	295·8	*295·8*	+0·4	126	+ 1
614	La Paz	24 10	110 20	12	..	..	..	..	..	..	293·4	290·2	..	..	..	..	..	..
615	Chihuahua	28 38	106 4	1423	860·1	1019·9	..	286·9	294·5	7th	273·7	266·7	1st	280·3	..	..	3	..
616	Leon	21 7	101 41	1809	821·6	1013·0	− 0·1	295·3	298·2	9th, 12th	280·7	274·8	15th	288·0	*288·8*	+2·4	1	− 1
616*a*	Monterry	25 40	100 18	528	957·0	1018·2	..	291·7	303·4	31st	282·2	274·7	25th	286·9	*286·7*	..	19	..
617	Tulancingo	20 5	98 22	2180	..	..	..	..	296·0	..	..	271·0	..	..	284·5	−0·5	9	− 1
618	Galveston	29 18	94 50	16·5	1018·0	1020·0	− 0·2	289·6	299·7	10th	284·0	274·1	24th	286·8	*286·8*	+0·3	88	+ 1
618*a*	New Orleans	29 58	90 4	16·2	..	1020·3	+ 0·1	290·7	299·7	9th	283·6	274·1	26th	287·2	*286·8*	+1·4	215	+ 2
619	Merida, Yuc.	20 58	89 38	22	1014·1	1016·6	..	300·7	304·2	10th	292·6	288·6	30th, 31st	296·6	*296·1*	..	31	+ 2
620	Havana	23 8	82 21	24·3	..	1018·2	+ 0·4	298·6	303·3	14th	293·5	288·1	30th	296·1	*295·8*	+0·7	59	+ 3
620*a*	Key West	24 33	81 48	6·7	1018·0	1018·6	− 0·1	297·6	301·9	1st	292·6	285·8	30th	295·1	*294·4*	+0·3	54	+ 2
621	Nassau, Bahamas	25 5	77 21	3·7	..	1019·7	+ 0·8	298·3	301·9	2nd	293·9	289·7	29th	296·1	*296·0*	+0·3	57	+ 2
622	Watling Island	24 6	74 26	33·5	1015·2	1019·1	+ 1·8	..	303·0	12th	..	293·0	29th	..	*298·2*	..	..	..
633	Izafia	28 19	16 30	2367	773·1	..	..	282·8	286·4	4th	276·2	271·1	26th	279·5	*278·6*	..	0	− 2
634	La Laguna	28 28	16 20	547	958·9	1023·0	+ 5·1	289·9	294·0	14th	283·0	278·3	20th	286·4	*285·9*	+0·1	22	− 2
637	Insalah	27 1	W 2 21	?280	..	..	..	294·5	298·1	8th	277·4	273·0	28th	286·0	*287·6*	−1·3	0	− 2
641	Siwa	29 12	E 25 29	−23	..	..	..	..	..	..	..	..	..	..	..	..	..	..
642																		
643	Aswan	24 2	32 53	99·6	1005·4	1017·3	+ 0·3	298·6	307·2	13th	284·5	279·8	23rd	291·5	*290·6*	+0·9	..	..
644	Tor	28 14	33 37	1·9	1017·0	1017·2	+ 0·2	294·4	298·6	1st	283·8	279·6	26th	289·1	*289·0*	+0·6	..	..
647	Bushire	28 59	50 53	4·3	1018·7	1019·3	0·0	293·6	298·7	8th	285·9	282·4	13th	289·8	*289·4*	+0·2	71	− 2
648	Jask	25 44	57 47	4·0	1018·7	1019·1	+0·3	298·6	300·5	11th	289·8	286·4	31st	294·2	*293·8*	−0·4	13	− 2
649	Robat	29 45	60 55	?	913·6	..	..	292·9	298·3	2nd, 5th	270·6	265·8	13th	281·8	..	..	42	+ 2
649*a*	Karachi	24 53	66 57	4·0	1019·1	1019·6	+ 1·2	298·6	302·2	1st	288·0	284·6	14th	293·3	*292·9*	−0·2	10	− 2
650	Jacobabad	28 17	68 29	56·7	1013·8	1020·6	+ 1·4	296·1	300·7	1st	279·9	276·2	16th	288·0	*287·2*	−0·8	4	− 2
651	Jaipur	26 56	75 52	436	969·8	1021·2	+ 1·2	296·8	299·8	31st	280·8	275·7	18th	288·8	*287·8*	−1·6	0	− 2
652	Nagpur	21 8	79 5	310	982·4	1018·5	+ 0·5	300·4	303·4	27th	285·7	281·3	11th	293·1	*292·7*	+0·1	27	− 2
653	Allahabad	25 25	81 51	94·1	1008·9	1020·3	+ 1·6	297·2	300·2	15th	280·9	277·7	19th	289·1	*288·0*	−0·5	0	− 2
653*a*	Darjiling	27 3	88 18	2266	777·5	..	− 0·4	283·1	287·1	31st	274·9	271·8	18th	279·0	*278·5*	−0·1	3	− 2
654	Calcutta	22 36	88 23	6·4	1017·0	1017·8	+ 0·4	298·0	300·3	1st, 14th	285·9	282·8	21st, 26th	291·9	*291·4*	−0·1	12	− 2
655	Gauhati	26 8	91 41	59·7	1011·5	1018·7	+ 0·3	296·7	299·0	8th	283·1	277·8	18th	289·9	*289·3*	−0·5	0	− 2
655*m*	Cherrapunji	25 15	91 42	?314	871·2	..	+ 0·2	290·2	292·8	13th, 14th	281·3	276·8	21st	285·8	*285·1*	+0·1	1	− 2
655*a*	Akyab	20 11	92 56	6·1	1014·1	1014·7	− 0·8	299·7	301·7	14th	289·9	284·6	26th	294·8	*294·1*	−0·6	99	+ 1
656	Mandalay	21 59	96 0	76·2	1008·2	1017·1	?+0·3	302·0	305·1	4th	289·3	284·9	28th	295·7	*295·0*	+0·8	10	− 2
656*a*	Tengyueh	24 59	98 35	1633	836·5	..	..	291·2	293·6	3rd, 14th	274·4	269·7	26th	282·8	*281·9*	..	0	− 2
657	Phu Lien	20 48	106 37	11·5	1003·4	1017·0	− 2·9	297·2	301·3	19th	290·7	283·0	31st	294·0	293·2	+2·6	33	+ 2
658	Moncay	21 31	107 51	9	1017·1	1018·2	− 1·7	295·3	299·6	22nd	288·2	277·3	31st	291·7	*291·4*	+1·4	35	+ 2
659	Hong Kong	22 18	114 10	33·2	..	1018·5	− 1·2	293·5	298·9	20th	289·9	282·6	28th	291·7	291·4	+1·4	4	− 2
660	Amoy	24 27	118 4	ca.3	1020·7	1021·1	− 1·1	293·8	299·7	19th	288·6	282·4	29th	291·2	*291·0*	+1·6	7	− 2
661	Taihoku, Formosa	25 2	121 31	9·3	1018·8	1019·9	− 0·7	295·3	301·7	6th	288·9	283·8	29th	292·1	291·5	+1·7	29	+ 2
661*a*	Santo Domingo	20 28	121 59	18·7	..	..	..	300·3	302·7	11th	294·8	290·9	23rd	297·5	*297·2*	+1·3	188	+ 2
662	Naha	26 13	127 41	10·5	1017·9	1019·1	− 0·8	295·9	300·6	22nd	288·8	284·4	31st	292·4	292·3	+1·7	105	+ 2
665	Titizima (Bonin Islands)	27 5	142 11	4·0	1016·9	1017·4	+ 0·2	296·0	298·8	23rd	290·1	285·6	17th	293·1	293·0	+0·5	208	+ 2
		N.	E.															

* For formulæ employed *see* pages 109 and 110. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 110.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

DECEMBER—ZONE 7.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal.	Temperature. Mean Max. A.	Absolute Max.	Date.	Mean Min. B.	Absolute Min.	Date.	Mean of A and B.	‡24 hr. Mean. *	Diff. from Normal.	Precipitation. Total.	Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Colima	19 12	103 45	509	955·8	1011·1	..	304·3	306·8	14th	291·3	289·2	22nd	297·8	*296·8*	..	3	..
716	Morelia	19 42	101 7	1923	..	..	..	..	..	..	..	..	..	..	..	..	..	..
717	Mexico, Tacubaya	19 24	99 12	2309	775·1	1012·7	− 0·1	294·4	299·0	22nd	277·9	273·5	16th	286·2	285·5	+0·3	11	+ 5
718	Oaxaca	17 4	96 42	1563	..	..	..	..	..	..	..	..	..	..	..	..	..	..
718*a*	Salina Cruz	16 12	95 12	56	1006·4	1010·6	..	300·7	304·7	11th	294·5	291·5	1st	297·6	*297·2*	..	0	− 5
719	San Salvador	13 42	89 13	‡665	937·1	1011·5	− 0·2	307·9	311·6	12th	289·3	286·0	18th, 27th	298·6	*296·3*	+2·2	3	− 9
720	Belize	17 29	88 12	5·2	1015·0	1015·7	− 0·1	300·9	303·0	25th	294·1	290·8	29th, 30th	297·5	*297·0*	+0·7	162	− 31
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1013·7	− 0·3	303·2	304·9	9th	294·4	291·9	29th	298·8	*298·4*	+0·5	36	− 18
722	Port au Prince	18 33	72 23	37·4	1010·7	1015·0	+ 0·4	304·5	305·9	7th, 17th	294·1	291·7	26th	299·3	*298·5*	+0·8	0	− 41
723	Caracas	10 30	66 55	‡1010	900·9	..	+ 0·9	297·7	300·0	27th, 28th	287·6	283·6	30th	292·7	*291·4*	−0·2	11	− 37
724	Montserrat	16 41	62 9	39·6	1010·1	1014·6	0·0	302·0	303·6	3rd, 4th	294·9	291·9	25th	298·4	*297·9*	..	127	..
724*a*	Grenada (Richmond Hill)	12 5	61 46	155	994·6	1012·5	+ 0·4	301·3	303·0	31st	296·1	294·7	3, 7, 23	298·7	*298·1*	+0·1	112	− 76
725	Barbados	13 8	59 36	55·2	..	1013·6	+ 0·4	301·5	302·6	3rd	295·2	293·0	17th	298·3	*297·1*	+0·2	33	− 62
731	St. Vincent, C. Verde Is.	16 54	25 4	11	1014·5	1015·8	+ 1·2	296·7	299·0	29th, 30th	292·3	291·0	19, 26, 29	294·5	*295·0*	−1·2	0	− 7
732	San Tiago, C. Verde Is.	14 54	23 31	‡40	1010·9	1015·6	+ 1·1	297·9	299·8	1st	294·8	293·4	27th	296·4	*296·2*	−0·3	0	− 8
733	Bathurst	13 24	16 36	1·5	1013·3	1013·5	+ 0·7	302·5	305·2	10th	..	..	..	..	*297·4*	−0·7	0	− 3
734	M'Carthy Island	13 42	14 46	1·1	..	..	..	306·9	310·2	3rd	287·6	285·2	13th	297·2	..	−1·1	0	− 1
735	Ségou	13 34	6 17	300	..	..	..	..	..	..	..	..	..	..	..	..	..	..
736	Timbuctoo	16 43	W 3 2	270	..	..	..	..	..	..	..	..	..	..	..	..	..	..
737	Sokoto	13 2	E 5 14	353	..	..	..	303·6	308·0	2nd	289·4	284·1	17th	296·5	*296·1*	−0·1	0	0
738	Kaduna Capital	10 32	7 25	637	944·9	1016·7	+ 1·5	303·6	306·3	10th, 12th	286·7	284·1	5th	295·1	*294·6*	−0·8	0	0
739	Hadeija	12 40	10 5	?	..	..	..	304·3	309·7	1st	286·8	283·6	5th	295·6	*295·1*	+0·6	0	..
740	Maiduguri	11 47	13 11	361	..	..	..	304·7	309·1	12th	287·3	284·7	22nd, 23rd	296·0	*295·6*	−0·2	0	0
741	El Fasher	13 32	25 18	730	..	..	..	304·4	310·0	4th	285·0	279·5	27th	294·7	..	..	0	..
743	El Obeid	13 11	30 14	569	947·5	1011·6	− 1·3	304·5	309·6	15th	285·9	281·5	26th	295·2	*295·4*	+2·0	0	0
743*a*	Khartoum	15 37	32 33	390	967·7	1011·9	− 0·2	304·5	309·4	14th	290·0	285·6	25th	297·3	*297·4*	+0·9	0	0
744	Port Sudan	19 37	37 13	5·9	1013·1	1013·8	− 0·4	301·8	304·0	4th, 5th	295·3	291·0	26th	298·5	*298·1*	+0·7	19	+ 2
745	Berbera, Somaliland	10 22	45 2	9·2	1015·2	1016·2	+ 0·1	304·5	306·3	3rd, 11th	292·9	290·8	1, 16, 31	298·7	*298·1*	+1·0	9	− 2
746	Aden	12 45	45 3	28·7	1013·4	1016·7	+ 0·1	300·0	301·4	10th, 11th	296·1	294·3	17th	298·1	*297·7*	−0·2	0	− 3
751	Bombay	18 54	72 49	11·3	1014·1	1015·4	0·0	302·2	304·2	7th	293·5	291·2	1, 7th	297·8	*297·4*	−0·2	0	− 2
751*a*	Cochin	10 58	76 21	2·7	1013·3	1013·5	+ 0·5	304·5	306·0	20th	296·1	294·0	8th, 9th	300·3	*299·9*	+0·2	72	+ 27
752	Kodaikanal	10 14	77 28	2343	772·3	..	+ 0·4	289·1	292·9	31st	281·8	278·2	23rd	285·4	*285·5*	−0·3	123	− 4
752*a*	Bangalore	12 59	77 38	920	913·7	1015·5	+ 0·4	299·6	301·2	2nd	288·6	284·3	10th	294·1	*293·5*	+0·8	40	+ 29
753	Madras	13 4	80 14	6·7	1014·4	1015·1	+ 0·1	301·3	302·9	17th	295·2	292·6	30th	298·3	*297·9*	+0·6	175	+ 24
754	Vizagapatam	17 42	83 19	11·6	1015·2	1016·4	+ 0·1	300·2	301·4	4th	294·2	291·0	27th	297·2	*296·8*	+0·9	1	− 31
755	Fort Blair	11 40	92 40	17·7	1011·1	1013·1	+ 0·2	302·6	303·6	12th, 13th	297·8	295·4	28th	300·2	*299·8*	−0·1	175	+ 1
756	Rangoon	16 46	95 48	5·5	1014·1	1014·8	− 0·1	304·6	306·4	4th	293·1	289·2	26th	298·8	*297·9*	+0·7	10	+ 1
757	Saigon	10 47	106 42	11·2	1010·2	1011·5	+ 0·4	304·3	306·2	1st	295·5	291·5	31st	299·9	*299·3*	+1·2	34	− 28
758	Nhatrang	12 15	109 12	3·6	1013·0	1013·4	0·0	301·3	303·9	14th	294·5	292·7	25th	297·9	*297·4*	+0·1	124	− 68
759	Bolinao	16 24	119 53	7·1	..	1011·4	+ 0·2	304·1	306·2	18th	294·3	292·0	25th	299·2	*298·7*	−0·8	0	− 12
761	Vigan	17 34	120 23	12·2	..	1011·4	+ 0·5	304·2	306·8	3rd	294·5	291·5	13th	299·3	299·2	0·0	0	− 7
761*a*	Manila	14 35	120 59	14·2	..	1011·9	+ 0·6	303·7	305·3	5th, 10th	292·8	290·2	24th	298·3	297·5	−0·6	29	− 32
762	Ormoc	11 0	124 36	5·6	..	1011·9	+ 0·6	303·7	305·3	5th, 10th	292·8	290·2	24th	298·3	297·5	−0·6	29	− 32
765	Guam, Ladrone Is.	13 24	144 38	20·4	..	1009·5	+ 1·1	304·0	305·9	1st	294·7	291·8	31st	299·3	*298·8*	+0·3	189	− 5
		N.	E.			1009·0	+ 0·2	302·2	303·4	1, 2, 3	297·4	296·0	1st, 24th	299·8	*299·4*	−0·2	59	− 70

Between Latitude 10° N. and 0°.

DECEMBER—ZONE 8.

		N.	W.															
805	Fanning Island	3 55	159 23	3·1	..	..	..	304·0	306·3	3rd	297·7	296·3	1st	300·8	*300·4*	+0·9	436	+212
821	Colon	9 23	79 23	11·0	..	1010·3	− 0·4	301·8	302·4	29th	298·2	295·2	31st	300·0	*299·7*	+0·6	48	−249
822	Bogota	4 36	74 6	2645	..	..	..	..	..	..	..	..	..	..	..	..	..	..
822*a*	Merida, Venez.	8 36	71 9	1641	‡841·2	..	..	296·6	298·2	17th	287·4	286·1	9th, 28th	292·0	*291·2*	..	43	..
824	El Peru, Guayanavieja	7 19	61 49	220	984·8	1010·1	+ 0·3	..	..	..	..	..	..	..	‡*295·3*	0·0	87	− 19
825	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1013·0	+ 1·2	301·9	303·0	4th	297·0	295·2	31st	299·4	*299·0*	−0·1	233	− 51
826	Paramaribo	5 49	55 9	3·7	..	..	..	301·8	303·8	5th	295·2	293·0	31st	298·5	*297·4*	−0·4	230	+ 8
826*a*	Cayenne	4 56	52 21	6	..	..	..	304·2	305·4	9th, 11th	294·5	293·2	sev. dates	299·3	*298·7*	−0·6	245	− 27
833	Conakry	9 31	13 43	16	..	..	..	..	..	..	..	..	..	..	..	..	..	..
834	Freetown, Sierra Leone	8 30	13 9	68·3	1004·6	1012·5	+ 1·4	304·3	306·9	23rd	..	..	..	..	‡*298·9*	..	33	− 5
835	Cape Coast Castle	5 5	1 13	?	..	..	..	..	..	..	..	..	..	..	..	..	20	− 8
837	Accra	5 33	W 0 12	25·7	..	..	..	..	..	..	..	..	..	..	‡*301·8*	+0·7	0	− 19
838	Lagos	6 27	E 3 24	1·8	1011·0	1011·2	− 1·0	304·1	305·4	..	296·5	294·1	..	300·3	*299·8*	−0·1	1	− 20
838*a*	Zungeru	9 48	6 10	130	..	..	..	307·7	310·2	1st, 10th	291·1	287·4	6th	299·4	*298·9*	+0·2	0	− 2
839	Libreville	0 23	9 26	35	..	..	..	..	..	..	..	..	..	..	..	..	..	..
841	Yola	9 12	12 30	259	..	..	..	306·4	309·7	2nd	291·2	288·6	19th	298·8	*298·3*	−0·6	0	0
	Wan	7 42	28 3	440	960·3	1009·8	+ 0·4	308·6	311·5	22, 26, 31	290·9	288·0	18th	299·7	*298·4*	+0·6	0	0
843	Malakal (Kodok)	9 35	31 37	394	965·0	1009·4	− 0·3	309·4	312·3	14th	290·4	287·1	9th	299·9	*298·7*	..	0	0
843*a*	Mongalla	5 11	31 47	439	958·2	1007·1	− 1·0	?309·7	314·0	20th	294·1	291·0	15th	?301·9	*?300·5*	+1·3	18	+ 10
844	Entebbe	0 5	32 29	1171	883·2	..	− 0·4	300·6	302·4	30th	290·7	287·9	15th	295·7	*295·1*	+1·0	61	− 68
851	Harrar	9 42	42 30	1856	..	..	..	..	..	..	..	..	..	..	..	..	..	..
852	Minicoy	8 17	72 49	2·1	1013·4	1013·6	+ 0·9	..	..	..	..	..	..	..	..	..	134	+ 42
853	Colombo Observatory	6 54	79 53	7·3	1010·5	1011·3	+ 1·6	303·1	304·7	20th	295·6	293·1	29th	299·3	*298·9*	−0·2	113	− 27
854	Nuwara Eliya	6 59	80 47	1886	..	..	..	292·3	294·9	22nd	283·2	276·8	22nd	287·7	*286·9*	+0·4	236	+ 11
	Trincomalee	8 34	81 14	30·2	1008·3	1011·8	+ 1·0	301·1	304·0	1st	296·7	294·2	10th	298·9	*298·5*	0·0	351	− 6
855	Kota Radja	5 32	95 20	7·1	..	1010·8	− 0·7	..	..	..	..	..	..	..	..	..	102	−122
856	Medan	3 35	98 41	25·0	..	1010·9	− 0·4	303·4	305·5	21st	295·5	292·9	27th	299·5	298·7	..	130	−107
857	Pen

DECEMBER—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	4 1	155 1	7·9	..	..	..	..	..	..	..	..	..	..	‡302·9	+1·8	47	..
924	Manaos	3 8	60 1	43·8	..	..	..	305·7	308·8	19th	296·8	295·0	29th	301·2	*300·1*	0·0	151	..
926	Taperinha	2 30	54 20	15·1	1008·4	1010·1	— 0·1	307·2	308·8	23rd	296·5	294·6	sev. dates	300·1	*298·7*	..	100	..
927	Turyassu	1 43	45 26	15·1	999·5	1008·7	— 0·6	306·5	310·6	7th	295·2	293·3	5th, 6th	300·9	*299·7*	+0·7	168	..
928	Barra do Corda	5 30	45 16	81·0	1000·1	1012·2	+ 0·3	301·0	301·6	18th	297·1	295·5	17th	299·0	*298·6*	..	4	..
929	Quixeramobim	5 16	39 15	207	987·4	1010·6	0·0	306·9	308·0	19th	297·7	294·3	31st	302·3	*301·8*	+0·2	10	..
930	Fernando Noronha	3 50	W32 25	106	..	..	..	..	..	..	..	..	..	..	..	..	..	..
939	Loanda	8 49	E 13 13	59·3	..	1011·1	+ 0·3	299·9	301·0	23rd, 26th	296·5	295·5	1, 5, 7	298·2	298·1	+0·2	27	..
940	Brazzaville	4 17	15 16	320	974·2	1010·4	— 1·2	304·6	308·2	9th, 13th	294·0	292·5	18th	299·3	*298·6*	+0·7	200	..
943	Masaka	0 21	31 47	?1280	..	..	..	300·4	302·4	29th	288·8	288·0	16th, 24th	294·6	*293·2*	+0·6	34	..
944	Nairobi	1 14	36 44	1800	..	..	..	295·8	298·0	7th	284·7	280·8	16th	290·2	*289·5*	+0·1	81	..
944*a*	Zanzibar	6 10	39 11	21·9	1012·3	1014·7	+ 1·4	303·0	304·1	20th	299·1	297·3	31st	301·1	*300·7*	+0·1	172	..
945	Lamu	2 16	40 50	3·1	..	..	..	304	304·1	2nd	294·7	294·1	2nd	299·4	*298·8*	−0·9	3	..
947	Seychelles, Port Office	4 37	55 27	4·6	1012·0	1012·5	+ 0·9	301·3	302·6	..	298·0	296·8	..	299·7	*299·0*	+0·5	255	..
957	Padang	0 56	100 22	6·7	..	1011·5	+ 0·2	302·7	304·3	16th	296·2	295·1	13th	299·5	299·0	..	359	..
958	Batavia	6 11	106 50	8·0	1009·0	1009·9	+ 0·3	303·0	305·5	1st	296·7	295·5	19th	299·8	299·3	+0·5	140	..
958*a*	Pontianak	0 1	109 20	2·6	..	1010·7	+ 0·3	303·5	305·5	31st	296·3	294·9	25th	299·9	299·1	..	203	..
959	Passeroean	7 38	112 55	5·0	..	1009·9	+ 0·9	304·2	306·0	29th	296·7	295·5	13th	300·5	299·9	+0·1	155	..
960	Kajoemas	7 56	114 9	1060	..	..	..	299·3	298·0	3rd	291·3	290·6	2nd	293·8	293·0	..	389	..
962	Ambon	3 42	128 10	4·2	..	1009·3	+ 0·8	304·2	306·4	1st	296·9	295·7	12th	300·5	300·0	+0·8	109	..
963	Manokwari	0 52	134 20	19·0	..	1007·9	— 0·4	304·1	305·6	15th	296·4	295·5	21st	300·3	299·4	..	196	..
965	Daru	9 4	143 13	7·6	..	1009·6	+ 0·7	304·2	..	..	..	..	..	..	‡302·1	+0·9	0	..
966	Port Moresby	9 29	147 9	39·0	..	1009·9	+ 1·3	305·1	..	..	297·2	..	..	301·1	*300·6*	−0·2	125	..
967					..	..	..	..	..	..	..	..	..	..	..	..	..	..
968	Rendova	8 30	157 12	1·8	1007·2	1007·4	+ 0·6	..	..	..	..	..	..	..	..	..	282	..
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1007·2	1007·4	+ 0·3	305·0	307·1	22nd, 31st	298·1	296·6	3rd	301·6	*301·4*	+0·6	211	..
970	Ocean Island	0 52 S.	169 35 E.	20·0	1003 9	1006·2	— ·0·8	304·5	306·9	30th	297·4	295·2	24th	300·9	*300·2*	−0·2	494	..

DECEMBER—ZONE 10.

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1002	Apia, Samoa	13 48	171 46	2	..	1007·4	−0·7	302·9	304·8	12th	296·7	294·9	21st	299·8	299·6	+0·3	540	..
1003	Alofi, Niue Island	19 2	169 55	36·6	..	..	..	302·8	305·8	1, 2, 17	..	..	..	..	..	..	104	..
1007	Makatea	15 47	148 14	47	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1021	Arequipa	16 22	71 33	2451	760·6	..	+ 0·1	298·1	300·8	10th	282·7	279·1	8th	290·4	*289·7*	+2·7	13	0
1022	Puerto de Arica	18 28	70 20	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1023					..	..	..	..	..	..	..	..	..	..	..	..	..	..
1024	Sucre, Bolivia	19 30	64 24	2848	728·9	..	..	290·8	294·8	1st	282·3	280·0	22nd	286·5	*286·4*	..	133	..
1025	Corumba	18 59	57 39	116	995·0	1008·3	..	305·8	309·4	16th	294·9	293·0	30th	300·3	*299·6*	−0·3	200	..
1026	Cuyaba	15 36	56 6	165	989·2	1007·8	− 0·2	303·8	307·0	16th	298·7	295·7	24th	301·2	*301·0*	+0·7	139	..
1027	Bello Horizonte	19 55	43 55	857	917·0	1012·4	+ 0·6	299·1	304·6	14th	291·1	286·8	13th	295·1	*294·5*	+0·4	299	..
1028	Caetite	14 3	42 37	900	914·3	1012·9	+ 0·6	299·2	303·2	18th	291·3	289·5	11th, 17th	295·2	*295·6*	−0·2	285	..
1029	Ondina (Bahia)	13 0	38 31	46·6	1006·5	1011·9	0·0	301·7	303·6	31st	295·4	293·6	23rd	298·5	*298·0*	−0·5	350	..
1030	Aracaju	10 55	37 3	4·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1035	St. Helena	15 57	W 5 40	632	944·6	1016·2	− 0·7	294·2	297·7	16th	286·3	284·4	1st	290·2	*290·0*	+0·4	54	..
1042	Gwelo	19 27	E 29 49	1417	861·5	..	+ 0·8	301·5	305·8	20th	286·6	281·9	2nd	294·1	..	−0·3	161	..
1043	Salisbury, Rhodesia	17 49	31 3	1457	856·8	..	+ 0·7	301·2	304·1	23, 25, 26	287·1	282·0	18th	294·1	..	+0·3	161	..
1044	Zomba	15 23	35 18	‡945	907·2	1011·3	+ 1·2	302·7	306·3	13th, 31st	291·6	288·0	2nd	297·1	*296·3*	+1·4	73	..
1045	Tananarive	18 55	47 32	1400	865·5	..	+ 2·1	299·5	302·5	13th	288·3	285·3	2nd	293·9	*293·2*	+0·5	265	..
1046	Sainte-Marie	17 0	49 51	15	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1055	Cocos Keeling Is.	12 5	96 53	4·6	1012·2	1012·7	+ 1·7	302·7	304·1	24th, 25th	297·7	294·7	3rd	300·2	..	+0·2	74	..
1056					..	..	..	..	..	..	..	..	..	..	..	..	..	..
1057	Christmas Island	10 25	105 43	5·5	1007·7	1008·3	+ 0·2	303·4	305·8	..	297·1	295·2	..	300·2	*299·7*	0·0	334	..
1058					..	..	..	..	..	..	..	..	..	..	..	..	..	..
1061	Koepang	10 10	123 34	45·1	..	1009·1	+ 0·8	305·1	307·7	9th	297·0	294·3	30th	301·1	300·5	..	210	..
1061*a*	Derby	17 18	123 40	16·2	1007·3	1009·2	+ 1·7	308·8	315·2	15th	299·3	294·7	31st	304·1	..	+0·3	153	..
1062	Hall's Creek	18 13	127 46	374	967·7	1008·2	+ 1·1	311·9	315·8	19th	298·7	294·6	26th	305·3	*304·7*	+1·6	37	..
1063	Darwin	12 28	130 51	29·6	1004·8	1008·1	+ 1·4	306·2	308·6	23rd	299·1	294·7	28th	302·7	*301·5*	+0·1	214	..
1064	Daly Waters	16 16	133 23	211	982·9	1005·9	+ 0·1	311·1	315·8	19th	297·8	293·6	9th, 18th	304·4	*303·8*	+0·2	80	..
1065	Mein	13 13	142 47	122	994·2	1007·6	+ 1·2	306·4	308·8	26th	295·1	291·9	12th	300·8	..	−0·7	161	..
1066	Georgetown, Queensland	18 22	143 32	302	976·6	1009·8	+ 1·9	309·5	311·9	5th	295·7	291·9	29th	302·6	..	+0·8	125	..
1067	Samarai	10 37	150 40	15·2	..	1008·6	− 0·1	303·1	..	..	297·2	..	..	300·2	*300·0*	−0·2	356	..
1072	Suva, Fiji	18 8 S.	178 26 E.	16·8	..	1009·6	− 0·2	301·9	305·2	7th	295·4	292·4	29th	298·7	*298·5*	−0·4	387	..
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 112 and 113. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 112 and 113.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

DECEMBER—ZONE 11.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	6	..	..	..	..	..	..	..	..	..	..	..	..	348	+170
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1010·3	1013·5	− 1·2	292·9	294·8	15th	287·6	286·2	sev. dates	290·3	*289·9*	+1·2	0	0
1122	Iquique	20 12	70 11	9	..	..	..	..	..	..	288·9	284·5	3rd	..	*294·2*	+1·1	0	0
1123	Catamarca	24 46	65 28	1178	881·0	1008·3	+ 0·5	301·0	308·3	12th	289·5	285·5	4th	295·3	295·3	+0·5	154	+ 47
1124	Salta	28 27	65 47	510	..	1007·0	+ 1·0	307·1	314·2	12th	292·5	287·0	3rd, 4th	299·8	299·3	−0·5	76	+ 37
1125	Goya	29 9	59 15	26	..	1011·0	+ 1·7	304·8	309·8	9th	292·8	288·7	4th	298·8	298·0	+0·3	123	+ 8
1126	Asuncion	25 21	57 37	95	1000·1	1011·1	− 0·1	306·4	312·2	9th	294·1	289·9	31st	300·3	298·8	−0·7	289	+138
1127	Curityba	25 25	49 17	908	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1128	Rio de Janeiro	22 54	W43 10	61·4	1005·2	1012·2	+ 0·6	299·0	307·3	13th	294·2	291·6	1st	296·6	296·3	−1·3	70	− 69
1139	Windhoek	22 35	E 17 5	1680	..	..	..	302·2	305·7	15th	290·4	285·5	12th	296·3	*296·2*	−0·1	26	− 24
1140					..	..	..	..	..	..	..	..	..	..	..	..	..	..
1141	Kimberley	28 42	24 47	1202	880·2	..	+ 0·2	305·5	311·4	18th	288·8	284·2	14th	297·1	297·1	+0·4	25	− 29
1142	Johannesburg	26 11	28 4	1806	823·7	..	+ 1·1	297·2	302·6	16th	286·1	281·6	1st	291·7	*291·3*	+0·3	193	+ 70
1142*a*	Pretoria (Brooklyn)	25 46	28 13	1400	862·5	..	+ 1·2	301·1	304·6	19, 20, 21	288·1	284·7	2nd	294·6	*294·2*	+0·3	150	..
1143	Durban	29 52	31 3	15·2	1014·0	1015·8	0·0	299·5	304·0	18th	292·8	288·6	1st, 20th	296·2	*295·8*	+0·3	146	+ 19
1144	Lorenzo Marques	25 58	32 36	59	..	1013·9	+ 1·2	302·6	309·9	9th	293·9	290·8	2nd	298·3	297·8	−0·1	180	+ 72
1147	Mauritius	20 6	57 33	55·2	1008·1	1014·5	+ 0·5	303·6	306·0	20th	294·1	290·8	17th	298·9	298·5	+0·1	21	− 99
1159	Onslow	21 43	114 57	4·3	1007·7	1008·4	+ 1·2	309·1	316·8	12th	294·2	290·7	7th	301·7	..	0·0	0	− 3
1160	Peak Hill	25 38	118 47	588	943·4	1006·7	+ 1·0	309·6	313·1	7th	295·1	288·0	1st	302·3	..	−0·7	12	− 3
1161	Nullagine	21 53	120 5	386	966·3	1008·1	+ 2·4	312·0	314·7	24th	295·6	291·7	2nd	303·8	..	−0·8	74	+ 40
1162	Laverton	28 40	122 23	466	959·7	1011·5	+ 2·0	308·5	315·2	5th	292·9	286·6	13th	300·7	*300·5*	+0·3	4	− 14
1163	Alice Springs	23 38	133 37	587	945·2	1008·4	+ 1·3	309·7	314·4	22nd	294·1	286·9	27th	301·9	*301·9*	+0·8	4	− 33
1164	William Creek	28 55	136 21	76·2	1003·4	1011·8	+ 1·7	308·5	316·9	9th	292·6	288·0	15th, 27th	300·6	*300·2*	0·0	2	− 8
1164*a*	Boulia	22 55	139 38	146	990·9	1006·8	+ 1·0	313·1	317·5	20th	296·6	292·4	28th	304·8	*304·8*	+0·8	1	− 37
1165	Thargomindah	27 58	143 43	123	995·7	1011·0	..	310·2	317·1	10th	295·1	290·3	27th, 28th	302·7	*302·3*	..	20	− 17
1166	Mitchell	26 32	147 52	336	973·0	1009·6	..	309·6	314·4	11th	292·7	282·4	28th	301·2	..	+2·0	12	− 52
1167	Rockhampton	23 24	150 30	11·3	1010·6	1011·8	+ 1·3	305·9	310·9	4th	294·3	289·4	19th	300·1	..	0·0	74	− 35
1168	Brisbane	27 28	153 2	38·1	1009·5	1014·0	+ 2·1	302·5	311·4	3rd	292·9	287·4	1st	297·7	*296·9*	0·0	22	−104
1169	Quitchambo	21 52	166 3	38	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1170	Norfolk Island	28 58 S.	168 3 E.	15·2	1014·1	1015·9	+ 2·4	296·2	300·8	27th, 28th	289·8	285·8	4th	293·0	..	−1·2	15	− 72

Between Latitude 30° S. and 40° S.

DECEMBER—ZONE 12.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1221	Juan Fernandez	33 37	78 50	10	..	..	..	293·5	296·7	25th	287·7	284·5	14th	290·6	*291·0*	+0·7	16	+ 2
1221*a*	Punta Tumbes	36 37	73 6	91	‡1003·5	‡1014·4	− 1·6	291·9	294·8	26th	284·8	282·0	4th	288·3	*288·4*	+1·0	2	− 9
1222	Punta Angeles, Valparaiso	33 1	71 38	41	1008·2	1013·0	− 1·8	296·5	306·0	13th	286·1	283·8	sev. dates	291·3	*290·9*	+0·7	0	− 5
1223	Santiago	33 27	70 42	520	952·8	1011·9	− 1·3	303·1	305·9	7th	284·8	280·0	15th	293·9	*293·5*	+1·9	0	− 5
1224	Cordoba	31 25	64 12	423	962·4	1010·5	+ 1·2	303·5	308·4	..	289·0	281·5	..	296·3	295·6	+0·3	114	− 4
1225	Bahia Blanca	38 45	62 15	25	..	1011·5	+ 2·3	302·7	308·0	27th	288·7	283·0	2nd	295·7	295·4	+0·8	133	+ 85
1226	Buenos Ayres (Chacarita)	34 36	58 22	25	..	1012·7	+ 0·6	300·0	306·0	8th	290·0	282·7	2nd	295·0	294·5	+1·0	127	+ 29
1226*a*	Montevideo (Prado)	34 52	56 12	24·9	1010·0	1012·9	+ 0·9	299·4	306·9	23rd	289·3	282·4	5th	294·4	294·3	+0·4	55	− 31
1227	Porto Alegre	30 2	W51 13	23·5	1009·8	1012·5	+ 1·0	302·5	309·8	12th	291·2	286·7	5th	296·9	296·4	+0·4	68	− 39
1239	Cape Town	33 56	E 18 29	12·2	..	1015·4	+ 0·7	297·9	305·1	31st	288·1	285·1	27th	293·0	*291·7*	+0·2	22	0
1240	Danger Point	34 37	19 18	27·7	1012·6	1015·9	..	294·4	299·0	1st	288·4	282·4	8th	291·4	..	..	36	..
1241	Riversdale	34 6	21 16	?61	1003·9	..	..	300·1	313·6	1st	286·9	282·4	8th, 20th	293·5	..	..	17	..
1242	East London	33 1	27 54	9·8	1013·3	1014·4	+ 0·9	297·2	301·9	3rd	290·2	287·4	7th	293·7	..	+0·4	57	− 25
1259	Perth (Observatory)	31 57	115 51	60·0	1007·7	1015·0	+ 1·6	300·3	311·2	31st	288·5	285·4	3rd	294·4	*294·1*	−0·1	6	− 9
1260	Katanning	33 42	117 35	310	980·0	1015·3	+ 2·2	302·3	312·9	31st	284·7	280·8	20th	293·5	..	+0·1	1	− 13
1261	Coolgardie	30 57	121 10	423	965·4	1012·5	+ 1·5	306·9	314·8	5th, 7th	288·9	282·7	13th	297·9	*297·7*	+0·6	3	− 15
1262	Eucla	31 45	128 58	4·6	1014·0	1014·5	+ 1·5	298·2	314·0	22nd	288·9	282·4	15th	293·6	*293·0*	0·0	9	− 2
1263	Streaky Bay	32 48	134 13	13·1	1014·9	1016·4	+ 2·7	302·2	317·0	8th	287·9	281·0	14th	295·0	*294·2*	+0·7	12	+ 2
1264	Adelaide	34 56	138 35	42·7	1009·9	1014·8	+ 1·7	302·0	315·1	9th	287·7	281·0	21st	294·9	*294·4*	+0·1	16	− 8
1265	Melbourne	37 49	144 58	35·1	1009·6	1013·6	+ 1·1	297·7	311·3	23rd	285·2	280·8	21st	291·4	*291·1*	+0·5	48	− 11
1266	Bourke	30 13	145 58	110	1001·4	1013·6	+ 3·0	310·7	319·1	9th	291·4	284·7	27th	301·0	..	−0·2	17	− 14
1267	Sydney	33 52	151 13	44·5	1008·8	1013·8	+ 1·8	299·6	311·3	20th	289·6	285·1	1st	294·6	*294·2*	+0·4	23	− 49
1268	Lord Howe Island	31 20	159 0	4·6	1015·0	1015·6	+ 1·6	297·5	299·5	8th	290·1	285·1	6th	293·8	..	−0·8	57	− 67
1271	Auckland	36 50	174 50	38·1	..	1011·8	..	292·2	295·8	21st	285·2	281·9	25th	288·7	..	−2·0	57	− 14
1272	Napier	39 32 S.	176 53 E.	21·3	..	1009·3	− 2·3	292·7	299·1	21st	283·8	278·6	14th	288·3	..	−2·6	94	+ 42

Between Latitude 40° S. and 50° S.

DECEMBER—ZONE 13.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1301	Chatham Island	43 52	176 42	104	..	..	..	286·9	290·6	31st	282·9	279·7	11th	284·9	*285·0*	+0·5	41	− 20
1321	Isla Huafo	43 34	74 45	140	998·4	1015·3	− 0·4	286·9	292·4	28th, 31st	284·2	280·7	13th	287·1	*287·3*	+1·2	56	0
1322	Punta Galera	40 1	73 44	40	1011·6	1016·4	0·0	289·9	292·4	31st	284·1	274·8	13th	291·5	291·0	+2·2	18	− 60
1323	Sarmiento	45 30	69 0	274	..	1006·8	..	298·9	310·0	31st	286·7	280·6	13th	292·8	292·1	+1·1	0	− 5
1324	Puerto Madryn	42 49	W64 58	14	..	1010·3	..	298·9	306·1	31st	286·7	280·6	13th	292·8	292·1	+1·1	11	+ 7
1365	Launceston	41 27	E147 10	10·1	1008·0	1009·2	+ 0·2	295·5	306·9	23rd	282·4	277·2	21st	289·0	*288·2*	−0·5	40	− 12
1366	Hobart	42 53	147 20	53·9	1001·6	1007·9	− 1·5	293·6	305·9	23rd	283·9	279·1	21st	288·8	*288·0*	0·0	46	− 4
1370	Invercargill	46 25	168 21	5·5	..	..	..	289·9	298·6	22nd	280·3	273·0	24th	285·1	..	−0·7	110	0
1371	Dunedin	45 52	170 31	91·4	..	1006·2	− 2·9	289·3	295·2	18th	280·6	276·9	9, 10, 21	284·9	..	−1·0	105	+ 16
1371*a*	Christchurch	43 31	172 38	7·6	..	1006·4	− 4·2	292·1	300·3	22nd	281·8	276·7	11th	286·9	..	−1·7	28	− 20
1372	Wellington	41 16 S.	174 46 E.	2·4	..	1009·1	− 2·4	290·7	296·7	17th	283·8	279·1	14th	287·3	..	−1·4	69	− 12
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 113 and 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 113 and 114.

DECEMBER—ZONE 14.

Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	995·4	1002·1	− 0·2	282·5	284·5	30th	279·4	278·0	6th, 26th	280·9	*280·7*	+0·1	266	–
1422	Puerto de Punta Arenas	53 10	70 54	4	1000·0	1000·5	+ 1·9	290·0	296·2	28th	279·2	276·0	sev. dates	284·6	*284·5*	+1·5	22	–
1423	Punta Dungeness	52 24	68 26	5	1000·8	1001·4	+ 0·9	287·4	291·4	30th, 31st	279·9	278·0	sev. dates	283·7	*283·8*	+0·3	5	–
1424	Santa Cruz	50 11	68 21	12	..	1004·6	+ 2·5	293·7	301·6	28th	281·3	275·8	1st	287·5	287·4	+1·3	1	–
1424*a*	Año Nuevo	54 39	64 9	50	992·9	999·0	+ 2·9	283·2	287·6	30th	277·9	274·1	8th	280·5	280·5	+1·0	52	–
1425	Stanley, Falkland Is.	51 41	57 51	4	..	..	..	..	..	..	..	..	..	..	..	..	14	–
1426	Cape Pembroke	51 41	57 42	21	..	1003·0	+ 2·9	285·1	291·3	28th	278·3	273·0	9th	281·7	282·0	+1·1	..	–
1429	S. Georgia(CumberlandBay)	54 14 S.	36 33 W.	4	995·7	996·2	+ 0·7	282·4	283·4	26th	274·8	271·1	15th	278·6	*278·4*	+1·3	79	–

DECEMBER—ZONE 15.

Between Latitude 60° S. and 70° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
1527	South Orkneys	60 44 S.	44 39 W.	7	992·0	992·9	− 0·6	274·5	281·2	29th	270·9	268·2	11th	272·7	272·6	+0·4	20	–
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.			a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 115.

† Estimates not based on at least six equally-spaced observations each day are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—DECEMBER 1918.

Date.	St. Helena. 1035. Direction.	St. Helena. 1035. ††Mean Velocity for the Day.	Fanning Island. 805. Direction.	Sierra Leone. 834. Direction and Force (Beaufort).	Entebbe. 844. Direction and Force (Beaufort).	Malden Island. 905. Direction and Force (Beaufort).	Tulagi. 969. Direction and Force (Beaufort).	Ocean Island. 970. Direction and Force (Beaufort).	Suva, Fiji. 1072. Direction and Force (Beaufort).
	9h.	m/s	10½h.	9h. 17h.	7h. 21h.	9h.	9h.	9h. 21h.	9h.
1	Calm	—	SE	Calm 0 Calm 0	NNW 1 NNW 1	SE 2	Calm 0	SW 1 NNW 1	E 4
2	SSE	7·5	SE	E 4 NE 4	Calm 0 SW 1	SE 2	SE 2	NW 2 N 1	Calm 0
3	SSE	10·2	SE	Calm 0 Calm 0	NW 1 NW 2	E 2	SE 2	NE 1 Calm 0	W 1
4	SE	6·9	SE	NW 2 NE 3	NNW 2 SSW 2	SE 2	SE 2	NNW 3 N 1	SE 2
5	SE	4·8	SE	NE 3 NE 4	SW 2 NNW –	SE 3	Calm 0	N 1 N 2	SE 2
6	SSE	5·4	SE	Calm 0 SW 2	W 1 W 3	E 4	Calm 0	S 1 S 1	SE 2
7	SE	5·4	SE	Calm 0 NW 2	W 1 N 1	SE 6	SE 2	E 1 E 1	SE 2
8	SSE	5·9	SE	Calm 0 NW 2	W 2 W 2	SE 6	Calm 0	E 2 Calm 0	SE 2
9	SE	5·5	SE	SW 2 SW 2	W 1 W 1	SE 4	NW 2	WNW 3 W 3	Calm 0
10	SE	4·1	SE	NE 2 E 2	W 1 W 1	SE 3	Calm 0	WNW 4 W 3	NE 2
11	SE	3·1	NE	E 3 NE 4	W 1 SW 3	SE 2	SE 2	NW 3 NNW 3	N 2
12	SSE	—	NE	NE 3 NW 2	SW 1 SW 3	SE 2	NW 2	N 3 N 2	N 2
13	SSE	—	Calm	NE 4 NE 3	SW 2 SW 1	SE 2	NW 2	E 3 E 1	NE 2
14	SSE	—	S	Calm 0 Calm 0	W 1 W 1	SE 2	NW 4	SSW 2 SW 2	NE 2
15	SE	—	SE	NE 2 E 3	W 1 SSW 3	SE 2	NW 2	N 1 N 1	N 2
16	SSE	6·0	N	Calm 0 Calm 0	W – W 1	SE 2	NW 2	NW 3 W 4	Calm 0
17	SSE	7·5	N	NE 2 NE 2	W 2 W 1	NE 2	NW 2	NW 1 N 2	NW 2
18	SSE	8·7	N	NE 3 NE 3	W 1 W 1	E 2	Calm 0	NW 2 NW 2	NW 2
19	ESE	6·7	N	SE 2 SW 2	N 2 SW 3	ENE 3	Calm 0	NE 1 NNW 1	S 2
20	SSE	6·7	N	E 2 NE 3	N – SW 3	ENE 3	Calm 0	W 4 W 4	SE 2
21	SE	12·0	N	Calm 0 SW 1	SW 1 W 1	SE 4	Calm 0	W 5 W 6	SE 2
22	SE	11·6	N	Calm 0 Calm 0	W 1 S 2	SE 4	Calm 0	W 5 W 6	SE 2
23	SE	10·4	Calm	E 1 SW 1	NW 1 S 1	SE 4	NW 2	W 5 W 6	SE 2
24	SE	11·0	N	E 2 Calm 0	W 2 N 1	E 3	Calm 0	W 5 W 6	SE 2
25	SSE	8·8	N	Calm 0 SW 1	W 2 S 2	SE 2	Calm 0	W 5 W 6	SE 2
26	SE	8·9	N	NE 2 Calm 0	N – S 1	S 1	Calm 0	NW 5 W 5	SE 2
27	SSE	10·1	N	NE 3 Calm 0	NW 2 S 3	W 1	Calm 0	NW 2 NW 3	SE 2
28	SSE	9·4	N	NE 1 SW 1	N 1 NW 2	NW 3	NW 2	NNW 2 NW 4	SE 2
29	SE	7·6	N	E 3 Calm 0	N 1 SW 1	N 2	Calm 0	NW 2 N 3	SE 2
30	SSE	7·9	N	NE 4 SW 1	E 1 SW 3	NW 4	Calm 0	NW 3 NNW 3	SE 2
31	SE	7·9	N	NE 1 Calm 0	E – NW 3	N 2	Calm 0	NNW 2 NW 2	NW 2
††Mean	..	7·7	..	1·6 1·5	1·3 1·8	2·7	1·1	2·6 2·7	N 2
§Resultant	145° (99)	..	50° (38)	55° (27)	270° (58)	115° (56)	315° (16)	315° (51)	105° (9)
§Normal	144° (91)	7·8	‖102° (77)	24° (6)	265° (44)	70° (81)	121° (9)	101° (20)	90° (6)

†† Mean velocity of the South-East Trade Wind at 632 metres.
§ Direction and "constancy." For explanation *see* Introduction
‖ Normal refers to ½ (9 + 21).

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—DECEMBER 1918.

‡‡ *Denmark Strait.*—At Angmagsalik there was closely packed ice in the offing but there was a landwater or at least scattered ice one or two miles wide.

‡‡ *Iceland* was free of ice, which is usual in this month.

‡‡ *Davis Strait.*—Winter ice formed in Disko Bay and off Godhavn. West ice was observed off Egedesminde on the 20th and froze together with the winter ice. The first "Storis" was observed at Julianehaab on the 15th, where it formed a solid mass. "Storis" drifted towards the shore at Cape Farewell a few days later.

‡‡ *Baffin Bay and Melville Bay.*—Sledges crossed Melville Bay outside the old ice to Tassiussak; from here to Upernivik the ice was also passable.

‡‡ *Isforholdene i de Arktiske Have*, 1918, 1919, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, YEAR 1918.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE YEAR 1918 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. YEAR—ZONE 1.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
105	Barrow	71 23	156 17	6·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
123	Inglefield Bay	77 20	67 30	?	..	..	..	..	286·3	July 19	..	..	..	..	..	..	..	..
125	Upernivik	72 47	W56 7	18·9	1008·6	1011·0	+ 0·5	..	288·3	July 19	259·5	234·5	Jan. 27, 29	..	*262·8*	−1·6	253	+ 27
139	Spitsbergen(GreenHarbour)	78 2	E 14 14	11·4	1008·5	1010·0	− 0·9	..	287·2	July 13	262·1	229·9	Feb. 6	..	265·5	+1·2	365	+ 72
140	Gjesvaer	71 6	25 22	6·5	1007·8	1008·6	+ 0·6	..	296·3	Aug. 22	273·0	256·2	Jan. 9	..	*274·8*	0·0	894	+253
141	Mehavn	71 1	27 47	6·4	1008·0	1008·8	+ 0·8	..	295·6	July 5	274·0	252·6	Jan. 13	..	*274·7*	+0·6	481	−261
142	Vardö	70 22	31 8	10·0	1008·7	1010·0	+ 1·0	..	290·5	June 23	271·7	252·8	Jan. 19	..	*274·0*	+0·3	530	−129
143	Malye Karmakouly	72 23	52 43	14·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
147	Waigatz	70 24	58 47	11·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
148	Mandhavn	77 33 N.	105 40 E.	2·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..

Between Latitude 70° N. and 60° N. YEAR—ZONE 2.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
202	Gambel	63 51	171 35	6·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
203	Nome	64 30	165 24	6·7	..	1010·4	+ 0·7	271·3	296·3	July 21	263·5	235·2	Dec. 19	267·4	*267·4*	−2·2	378	− 34
204	Candle	65 55	161 57	2·4	..	..	..	268·7	?302·4	July 9	259·7	228·6	Dec. 20	264·2	..	..	..	..
205	Tanana	65 10	152 6	67·1	..	1010·8	− 1·9	271·8	304·1	July 16	261·0	224·1	Dec. 9	266·4	*266·5*	−1·4	353	+ 43
207	Rampart	65 30	150 15	122	..	..	..	273·9	308·6	July 13	261·3	221·9	Dec. 9, 10	267·6	..	..	..	..
208	Valdéz	61 7	146 16	8·2	..	1009·5	− 0·6	277·9	297·4	July 6, 7	270·2	248·6	Feb. 27	274·1	*274·0*	−0·9	1467	+122
209	Eagle	64 46	141 12	254	..	1010·7	− 1·5	273·8	306·3	July 14	261·9	223·6	Feb. 7, Dec. 4	267·9	..	−0·3	227	− 44
210	Dawson	64 4	139 20	328	970·8	1012·0	− 2·2	273·6	303·6	July 14, 15, 17	261·8	227·4	Jan. 27, Feb. 7	267·7	..	−0·1	330	− 26
211	Carcross	60 11	134 34	662	..	..	..	276·6	300·8	July 16	264·9	232·4	Jan. 9	270·8	..	−0·6	206	− 23
212	Fort Good Hope	66 25	128 53	65·2	1007·6	1016·2	..	268·8	301·3	July 14	256·9	219·7	Feb. 8	262·8	..	..	233	+ 29
213	Fort Simpson	61 52	121 35	129	996·6	1013·2	..	272·8	302·4	June 18	261·6	225·2	Jan. 25	267·2	..	0·0	345	− 2
215	Hay River	60 51	115 20	161	992·8	1013·4	..	..	?303·0	July 9	262·0	223·0	Jan. 25	..	‡*267·4*	..	260	..
226	Jacobshavn	69 13	51 2	12·6	1007·5	1009·1	− 0·6	..	‡291·3	Aug. 1	261·7	235·7	Jan. 22	..	*265·4*	−1·9	209	− 16
227	Godthaab	64 11	51 43	9·0	1003·8	1005·0	− 0·8	..	289·2	July 20	266·9	247·4	Feb. 22, 23	..	*270·0*	−1·0	..	..
229	Ivigtut	61 12	48 10	5·0	..	..	..	..	296·4	July 21, 22	..	..	..	..	..	..	..	..
231	Angmagsalik	65 37	37 33	31·7	1002·6	1006·6	− 0·5	275·1	294·1	July 15	267·2	242·7	Jan. 21	271·1	*270·9*	−0·4	626	−318
232	Stykkisholm	65 5	22 46	11·3	1004·8	1006·2	0·0	278·7	294·3	July 31	272·1	243·3	Jan. 21	275·4	*275·2*	−0·6	636	− 14
233	Vestmanno	63 26	20 15	7·7	1003·1	1004·0	− 1·9	281·3	292·6	July 12	275·3	252·4	Jan. 14	278·3	*278·0*	−0·2	..	..
233a	Grimsey	66 33	17 58	22	..	1006·6	− 0·9	276·2	291·3	Aug. 1	270·6	242·2	Jan. 21	273·4	*273·5*	−1·1	..	..
234	Akureyri	65 40	18 4	6·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
235	Berufjord	64 40	14 19	18·0	1003·9	1006·1	− 1·1	279·1	291·2	Aug. 1	272·2	247·5	Jan. 22	275·7	*276·0*	−0·1	1359	+195
236	Thorshavn	62 3	6 45	26·3	1004·6	1007·8	− 0·8	281·4	289·7	Aug. 12	276·8	259·5	Jan. 14	279·1	*279·3*	−0·2	1191	−283
237	Lerwick	60 9	W 1 8	147	..	1010·0	+ 0·7	..	289·7	July 17, 20	..	264·1	Jan. 14	..	..	..	927	..
238	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1005·9	1011·3	− 0·2	283·4	298·5	July 24	277·7	262·3	Jan. 14	280·5	*280·4*	+0·3	2081	+350
239	Christiansund	63 7	7 45	17·8	1007·9	1010·0	− 0·3	..	298·2	July 18	277·5	264·0	Jan. 10	..	*280·2*	+0·7	1215	+ 84
240	Trondhjem	63 26	10 25	39·5	1006·2	1011·1	+ 0·5	282·0	299·7	July 17	275·1	255·2	Jan. 8	278·5	*278·4*	+0·6	723	−239
241	Bodö	67 17	14 24	22·4	1006·6	1009·3	+ 0·2	..	298·6	July 4	275·1	258·0	Jan. 7	..	*278·0*	+0·9	825	−150
242	Haparanda	65 50	24 9	9·2	1010·4	1011·6	+ 0·5	278·2	301·0	July 3, 5	270·2	236·0	Jan. 9	274·2	*274·4*	+1·1	486	+ 18
242	Helsingfors	60 10	24 57	11·7	1012·0	1013·4	+ 0·3	281·0	302·1	July 4	274·7	242·6	Jan. 10	277·9	*277·8*	+0·4	704	+ 93
242a	Kuopio	62 54	27 40	90·3	1001·5	1012·8	+ 0·1	279·5	302·8	July 5	271·8	239·2	Jan. 10	275·7	*275·9*	+0·5	..	..
243	Kola	68 53	33 1	6·7	1010·4	1011·3	+ 1·4	276·1	300·2	July 2	268·2	230·2	Jan. 7	272·2	*272·2*	−0·1	390	+ 90
244	Petrozavodsk	61 47	34 23	38·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
245	Arkhangelsk	64 35	40 36	6·2	1012·2	1013·0	+ 1·1	276·8	304·8	June 25	268·8	234·5	Jan. 8, 9	272·8	*272·5*	−0·8	452	+ 25
246	Mezen	65 50	44 16	12·6	1010·3	1011·9	+ 0·8	274·7	305·0	June 26	267·0	233·5	Jan. 7	270·8	*270·9*	−0·5	362	+ 70
247	Oust-Tsylma	65 25	52 14	? 70	..	..	..	..	304·2	June 26	..	..	..	..	..	..	..	..
248	Telherdyn	60 24	56 31	?177	991·8	1014·0	− 0·7	276·6	304·0	June 25	268·4	230·7	Feb. 5	272·5	*272·4*	0·0	739	+210
249	Berezov	63 56	65 4	39·9	1010·3	1015·4	+ 1·5	..	..	..	263·9	227·8	Feb. 3	..	*268·6*	+0·2	..	..
250	Obdorsk	66 31	66 35	23·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
251	Sourgout	61 15	73 24	? 40	1008·8	1013·9	− 1·2	..	302·0	July 20	264·5	217·8	Feb. 2	..	*269·8*	+0·2	485	+ 75
252	Doudinka	69 23	86 4	20	1008·3	1010·9	− 1·8	..	300·0	July 11	258·4	223·2	Dec. 3	..	*262·7*	..	231	..
253	Touroukhansk	65 47	87 57	45	1009·1	1014·9	+ 0·4	..	302·1	July 1, 6, 11	261·0	219·7	Dec. 5	..	*266·3*	+1·0	443	+ 96
254	Iakoutsk	62 1	129 43	108	1001·6	1015·8	− 1·7	..	300·7	June 28	256·3	217·9	Dec. 10	..	*262·3*	+0·2	210	− 27
255	Verkhoiansk	67 33	133 23	100	998·6	1012·0	− 1·4	..	304·2	June 28	251·2	213·1	Feb. 2	..	*257·2*	+0·6	..	..
271	Markovo-sur-Anadyr	64 45	170 50	25·9	1011·0	1014·4	+ 0·8	..	..	..	257·8	223·9	Dec. 28	..	‡*263·2*	−0·7	206	+ 16
272	Novo-Mariinskii Post	64 45 N.	177 33 E.	23·5	1011·2	1014·2	+ 2·0	267·7	295·4	Aug. 22	260·9	233·6	Dec. 28	264·3	‡*264·5*	−0·9	119	− 73
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 105 and 106. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 105 and 106.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
301	Atka	52 12	174 20	7·6	..	..	..	..	..	..	..	264·7	Jan. 23	..	..	..	..	
302	St. Paul Island	57 15	170 10	6·1	..	1006·1	− 1·1	276·5	287·4	June 26, July 12	271·2	251·9	{Jan. 22, 23, 24; Feb. 28}	273·8	..	..	..	
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	1007·1	− 0·9	280·0	293·6	Aug. 25	274·4	259·7	Mar. 12	277·2	..	−0·1	..	
304																	532	
305	Dillingham	59 0	158 28	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
306	Kodiak (Radio)	57 46	152 22	6·1	..	1006·3	− 1·0	..	299·7	July 6	274·2	253·0	Dec. 9	..	..	..	..	
309	Sitka	57 3	135 19	27·4	..	1010·9	− 1·0	282·6	298·6	July 8, 14	275·9	260·2	Mar. 10	279·3	*279·3*	−0·2	2695	
310	Prince Rupert	54 18	130 18	51·8	1005·1	1011·5	− 1·5	283·1	300·2	July 15	276·9	261·3	Mar. 11	280·0	*279·8*	−0·5	2370	
311	Barkerville	53 2	121 35	1274	868·4	1016·3	+ 0·4	280·1	301·9	July 17	269·9	243·0	Jan. 30	275·0	*274·8*	−0·1	1065	
312	Kamloops	50 42	120 29	385	973·1	1019·3	+ 0·4	287·5	311·9	July 17	276·3	247·4	Jan. 31	281·9	*282·0*	+0·3	279	
313	Calgary	51 2	114 2	1045	893·1	1014·5	− 1·0	286·4	307·4	July 19	270·3	239·7	Feb. 20	278·4	*277·6*	+2·2	233	
314	Fort Chipewyan	58 42	111 10	218	986·7	1014·1	..	274·6	300·8	July 10, Aug. 16	263·7	226·3	Jan. 25	269·2	*269·7*	−1·1	447	
315	Prince Albert	53 10	106 0	442	961·2	1015·2	+ 0·6	281·6	306·3	June 10, July 18	268·1	229·7	Jan. 12, Feb. 3	274·8	*274·5*	+1·8	343	
316	Qu'Appelle	50 30	103 47	645	937·2	1014·6	− 0·3	282·3	310·2	July 18	269·3	234·1	Feb. 20	275·8	*275·2*	+1·4	395	
317	Minnedosa	50 15	99 50	515	953·0	1015·5	− 0·5	281·4	309·1	June 10	268·3	231·3	Jan. 30	274·8	*274·2*	+0·6	350	
318	Berens River	52 18	97 23	216	..	..	..	277·8	310·8	July 12	265·3	229·1	Jan. 25	271·6	..	−1·0	590	
318*a*	Port Nelson	57 4	92 36	14·9	1012·8	1014·7	+ 0·8	270·9	305·8	Aug. 19	260·6	226·3	Jan. 31, Feb. 1	265·8	..	0·0	345	
319	Fort Hope	51 33	87 49	‡260	983·0	1015·6	..	276·8	303·0	July 12, 24	264·8	233·0	{Jan. 23, 30; Feb. 3, 4, 7}	270·8	*270·8*	−0·6	587	
320	Moose Factory	51 14	80 30	9·1	1014·2	1015·4	− 0·5	278·2	303·6	July 24	265·5	231·9	Feb. 4	271·8	..	−0·6	..	
321	Fort George	53 50	79 5	97·5	..	..	..	272·9	297·4	July 4	263·4	228·0	Feb. 11	268·2	*267·9*	..	..	
322	Mistassini Post	50 15	73 55	383	..	..	..	276·3	300·8	July 14	265·2	228·0	Jan. 27	270·7	..	+0·1	975	
323	Hebron	58 12	62 21	15·0	..	..	..	..	..	..	..	..	..	..	..	..	..	
324	Natashquan	50 8	61 48	?	..	..	..	276·8	297·4	July 29	267·5	233·6	Feb. 27	272·2	..	−1·0	1131	
326	Belle Isle	51 53	55 23	133	993·3	1010·1	+ 0·1	274·6	291·3	July 4	265·5	238·6	Feb. 22	270·0	*270·5*	−2·2	588	
334	Cahirciveen (Valencia Obs.)	51 56	10 15	13·7	1012·8	1014·5	+ 0·8	286·0	297·4	June 3	281·2	269·7	Jan. 8	283·6	283·7	+0·2	154	
335	Aberdeen	57 10	2 6	26·8	1008·3	1011·6	+ 0·1	283·6	296·3	June 30	278·4	264·7	Jan. 14	281·0	280·9	+0·1	747	
336	Greenwich	51 28	W 0 0	46·3	1010·3	1015·9	+ 1·1	287·7	305·2	Aug. 22	279·0	265·8	Jan. 9	283·3	283·1	+0·3	720	
337	Uccle	50 48	E 4 22	100	1003·7	1015·9	+ 0·2	287·4	306·1	Aug. 22	278·7	263·9	Jan. 8	283·0	282·9	+0·4	848	
338	De Bilt	52 6	5 11	3·0	1015·3	1015·7	+ 0·7	286·7	305·2	Aug. 23	278·5	265·7	Feb. 17	282·6	282·8	+0·9	884	
338*a*	Hamburg	53 33	9 58	26·0	1012·2	1015·3	+ 0·7	285·6	301·0	Aug. 22	279·1	265·7	Jan. 9	282·3	*282·1*	+0·5	998	
339	Copenhagen	55 41	12 36	5·0	1014·0	1014·6	+ 0·9	283·4	298·2	Aug. 22	278·9	263·3	Jan. 10	281·1	*281·2*	+0·3	460	
340	Potsdam	52 23	13 4	84·9	1005·7	1016·2	+ 0·9	286·7	306·1	Aug. 22	278·1	262·4	Jan. 4, 9	282·4	281·8	+0·5	608	
340*a*	Upsala	59 51	17 38	24	1010·0	1012·9	+ 0·6	282·6	302·7	July 4	273·9	247·8	Jan. 9, 14	278·3	278·4	+0·6	565	
341	Warsaw	52 13	21 1	133	1001·0	1017·2	+ 1·4	285·6	305·2	Aug. 23	277·7	257·6	Jan. 15	281·7	281·6	+1·0	570	
342	Dorpat (Jurjev)	58 23	26 43	74·5	1005·7	1015·0	+ 1·5	281·0	304·3	July 4	275·2	247·8	Jan. 15	278·1	277·9	+0·4	512	
343	Petrograd	59 56	30 16	4·8	1013·4	1014·0	+ 0·6	280·3	303·3	July 4	273·6	245·6	Jan. 14	277·0	*277·0*	+0·2	580	
344	Kiev	50 27	30 30	183	995·6	1018·0	+ 1·6	285·1	307·4	June 19	277·2	253·0	Jan. 15	281·2	*280·7*	+0·8	618	
344*a*	Moscow	55 50	37 33	167	996·0	1016·7	+ 0·6	281·0	304·3	June 23	272·8	247·1	Jan. 19, Mar. 14	276·9	*276·9*	0·0	582	
345	Saratov	51 32	46 3	59·9	..	..	..	..	..	..	..	..	..	..	..	..	..	
346	Kazan	55 47	49 8	79·9	1007·9	1018·0	+ 2·0	280·3	306·6	June 24	271·8	242·3	Feb. 5	276·0	*276·9*	−0·3	504	
347	Orenburg	51 45	55 6	109	1006·4	1020·2	+ 2·1	280·8	309·7	Aug. 3	270·3	236·2	Feb. 2	275·6	*275·4*	−0·9	370	
348	Perm	58 1	56 16	163	996·2	1016·7	+ 1·2	278·0	304·6	June 27	269·6	232·4	Feb. 5	273·8	*273·6*	−0·6	666	
349	Ekaterinburg	56 49	60 38	281	981·4	1016·3	− 0·8	278·1	304·2	Aug. 23	269·6	239·6	Feb. 4	273·8	*273·7*	+0·1	486	
350	Tobolsk	58 12	68 14	?108	..	..	..	..	..	..	..	237·0	Dec. 18	..	..	..	..	
351	Akmolinsk	51 12	71 23	?347	977·8	1020·8	− 0·1	..	306·6	Aug. 6	..	230·8	Dec. 19	..	*273·8*	−0·5	..	
352	Omsk	54 58	73 23	90	..	..	..	..	..	..	..	..	..	..	*273·5*	+0·6	227	
353	Barnaoul	53 20	83 48	162	..	..	..	..	..	..	..	..	..	..	..	..	..	
354	Tomsk	56 30	84 58	122	1003·2	1018·7	− 0·3	..	303·3	Aug. 10	267·9	232·6	Dec. 16	..	*272·8*	+0·8	489	
355	Minousinsk	53 43	91 41	249	990·6	1021·8	0·0	..	307·0	Aug. 12	..	228·4	Dec. 18	..	*273·4*	..	..	
356	Eniseisk	58 27	92 10	77·6	1008·3	1018·2	− 0·8	..	303·0	Aug. 10	266·2	225·1	Dec. 17	..	*271·7*	+0·6	406	
357	Irkutsk	52 16	104 19	467	963·1	1020·8	− 0·5	..	301·5	Aug. 13	265·7	231·9	Dec. 19	..	*271·8*	−0·3	390	
358	Kirensk	57 47	108 7	263	..	..	..	..	..	..	..	..	..	..	..	..	..	
359	Tchita	52 2	113 30	687	934·2	1017·8	− 0·9	..	304·9	July 9	264·4	230·8	Dec. 9	..	*270·7*	+0·8	248	
360	Nertchinskii Zavod	51 19	119 37	626	940·6	1017·3	− 0·8	..	302·0	July 27	263·1	231·2	Jan. 1	..	*269·5*	+0·3	336	
361	Tygan Ourkan	54 5	124 46	379	967·1	1014·4	..	276·8	303·8	July 16, Aug. 15	260·8	228·9	Dec. 17	268·8	*269·2*	..	426	
362	Blagoveshchensk (Bureau Météor.)	50 16	127 30	142	995·9	1013·7	− 0·5	279·8	305·9	May 9	267·8	236·0	Dec. 30	273·8	*273·6*	+1·1	342	
363	Paikanskii Sklad	50 11	130 7	?145	994·7	1013·1	..	278·3	304·1	May 9	262·7	227·1	Dec. 28	270·5	*270·5*	..	434	
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	1008·2	1010·8	− 0·8	..	301·6	Aug. 2	265·5	234·1	Feb. 16	..	*271·0*	+0·5	413	
366	Okhotsk	59 21	143 12	6·0	..	..	..	..	..	..	..	..	..	..	..	..	..	
367																		
368	Petropavlovsk (Radio)	53 0	158 39	13·5	..	..	..	..	..	..	..	249·5	Feb. 21	..	..	..	..	
369																		
371	Attu Island	52 56 N.	173 13 E.	4·9	..	..	..	..	..	..	..	?265·2	Feb. 23	..	..	..	..	
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	

* For formulæ employed *see* pages 106 and 107. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	70·1	1008·2	1016·8	+ 0·4	286·3	301·3	Sept. 28	279·4	268·0	Jan. 30	282·9	282·5	+0·5	737	− 90
412	Portland, Oregon	45 32	122 41	46·6	1012·4	1017·7	+ 0·2	290·1	307·4	Aug. 31	281·2	267·4	Feb. 1	285·7	*285·5*	+1·2	801	−316
413	Macleod	49 44	113 24	953	..	..	..	286·1	310·2	July 19	272·9	232·4	Feb. 20	279·5	*279·6*	+1·4	247	−112
414	Helena	46 34	112 4	1253	873·4	1016·5	0·0	285·8	307·4	June 9, July 31	274·1	239·1	Jan. 31	280·0	*279·8*	+0·5	285	− 62
414*a*	Salt Lake City	40 46	111 54	1329	867·4	1015·4	− 0·1	289·4	311·3	June 12, July 30	279·1	257·4	Feb. 1	284·2	*284·3*	+0·3	409	− 4
415	Cheyenne	41 8	104 48	1856	812·5	1015·7	+ 0·8	286·0	306·3	Aug. 2	273·6	246·3	Jan. 31	279·8	*279·9*	−0·3	490	+139
416	North Platte	41 8	100 45	859	917·1	1017·1	+ 1·1	290·1	312·4	June 15	275·4	241·3	Jan. 11	282·8	*282·4*	+0·4	384	− 92
416*a*	Bismarck	46 47	100 38	511	955·9	1017·3	+ 0·6	285·1	311·3	June 10	272·2	239·1	Jan., Feb., Dec.	278·7	*278·5*	+1·1	344	− 97
417	Winnipeg	49 53	97 7	232	986·6	1015·3	− 0·9	281·7	307·4	June 10, 11	269·9	234·7	Jan. 30	275·8	*275·4*	+1·5	495	− 39
418	Duluth	46 47	92 6	345	973·8	1015·7	− 0·5	281·4	305·2	July 19, Aug. 4	272·1	239·7	Jan. 31	276·7	*276·6*	+0·4	501	−196
419	Port Arthur	48 27	89 12	196	991·1	1015·4	− 0·6	280·8	303·6	Aug. 25	270·3	238·6	Jan. 31	275·6	*275·3*	+0·7	515	− 74
420	Chicago	41 53	87 37	251	986·4	1016·7	− 0·2	286·9	311·9	Aug. 5	279·3	247·4	Jan. 12	283·1	*283·1*	+0·7	845	+ 6
421	Toronto	43 40	79 24	116	1002·1	1016·4	0·0	285·8	311·9	Aug. 13	275·8	244·1	Feb. 5	280·8	280·2	+0·9	874	+ 24
422	New York (Central Park)	40 46	73 58	30·2	1012·9	1016·5	− 0·4	289·1	313·0	Aug. 7	280·4	251·9	Feb. 5	284·7	284·6	+0·2	973	−132
423	St. John, N.B.	45 17	66 4	36·2	1010·0	1014·5	− 0·1	281·6	300·8	July 28	273·5	247·4	Jan. 3, Feb. 6	277·5	277·3	−0·6	1260	+ 40
424	S.W. Point, Anticosti	49 24	63 33	9·1	1011·7	1012·8	+ 1·1	276·7	293·6	June 30	271·1	246·3	Feb. 2	273·9	*274·1*	−0·8	1044	+308
424*a*	Sable Island (Main Station)	43 57	60 6	7·6	1015·4	1016·3	+ 1·2	281·9	294·7	{Aug. 31; Sept. 1, 5, 6}	277·2	258·0	Feb. 22	279·5	*279·4*	−0·7	1201	−133
425	Port aux Basques	47 35	59 10	9·1	1011·8	1012·9	+ 0·1	278·7	294·1	{July 26; Aug. 22, 24}	272·9	251·3	Feb. 22	275·8	276·8	−0·7	1438	+ 47
426	St. John's, Newfoundland	47 34	52 42	38·1	1007·0	1011·7	+ 0·2	281·2	299·7	{June 28, 29; Aug. 22}	272·9	254·1	{Feb. 4; Mar. 5, 6}	277·1	*277·0*	−0·7	1297	− 91
435	Madrid	40 24	3 41	655	941·9	1017·8	+ 0·4	295·4	315·7	Aug. 12	279·6	263·5	Jan. 1	287·5	286·5	+0·7	284	−137
436	Nantes	47 15	W 1 34	36·5	1013·2	1017·6	+ 0·9	289·1	307·1	Aug. 22	280·0	266·1	Jan. 6	284·5	284·3	+0·1	712	− 18
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1011·7	1017·9	+ 1·2	288·5	307·2	Aug. 22	278·9	259·4	Jan. 5, 6	283·7	283·5	+0·4	578	+ 16
438	Marseilles	43 18	5 23	75	..	1016·0	+ 1·0	292·5	306·6	July 17	282·1	266·6	Feb. 17	287·3	*286·8*	0·0	573	+ 5
438*a*	Zürich	47 23	8 33	493	960·0	1018·8	+ 0·8	287·3	308·3	July 17	277·8	257·0	Jan. 5	282·6	281·9	+0·4	1011	−109
439	Rome	41 54	12 27	45	1011·0	1016·3	+ 1·0	292·8	307·4	July 18	283·8	269·2	Jan. 6	288·3	*288·2*	−0·2	804	− 16
440	Vienna	48 15	16 22	203	992·5	1017·1	+ 0·5	286·1	302·2	July 18	279·5	263·5	Jan. 4	282·8	282·7	+0·6	780	+157
440*a*	Buda-Pesth	47 31	19 2	130	1001·8	1017·5	+ 0·9	288·9	308·2	July 18	279·6	263·7	Nov. 24	284·2	*283·8*	+0·9	648	+ 10
441	Sofia	42 42	23 20	550	953·6	1018·4	+ 2·2	289·3	308·5	June 20	278·6	256·2	Jan. 5	283·9	*283·7*	+0·8	397	−242
442	Bucharest	44 25	26 5	82	1007·9	1017·9	+ 1·1	291·2	313·3	June 20	279·4	260·0	Jan. 5	285·3	284·6	+1·0	595	+ 12
443	Odessa (University)	46 26	30 46	42·8	1012·6	1017·8	+ 1·0	287·6	307·0	Aug. 25	280·4	260·8	Feb. 17	284·0	*283·7*	+0·9	364	− 30
444	Kharkov (University)	50 0	36 14	140	1001·5	1018·7	+ 0·8	285·1	307·4	June 22	275·9	252·8	Jan. 5	280·5	*280·2*	+0·7	445	− 56
444*a*	Novorossiisk	44 44	37 49	37·1	1012·8	1017·3	+ 1·0	290·6	306·3	Aug. 9	281·6	261·1	Feb. 17	286·1	*286·1*	+0·6	589	−100
445	Tiflis	41 43	44 48	404	970·8	1018·5	+ 0·6	292·1	311·0	Aug. 10	281·4	265·5	Jan. 9	286·7	*286·1*	+0·4	428	− 70
446	Astrakhan	46 21	48 2	−13·8	..	..	..	..	..	..	..	..	..	..	..	..	..	
447	Fort Alexandrovsk	44 31	50 7	−18·0	..	1018·5	+ 0·6	287·8	312·2	Aug. 1	279·6	256·1	Dec. 22	283·7	*283·7*	−0·1	141	0
448	Krasnovodsk	40 0	52 59	−17·2	1020·2	1018·1	+ 1·0	292·2	311·9	July 7, Aug. 18	284·8	261·1	Dec. 27	288·5	*288·0*	−0·7	99	− 53
449	Aralskoe More	46 47	61 42	56	..	..	..	..	310·8	June 29	..	..	..	..	..	..	..	
450	Tachkent	41 20	69 18	478	961·4	1017·6	+ 0·3	293·4	313·7	Aug. 15	279·8	247·8	Dec. 26	286·6	*286·0*	−0·1	324	− 34
451	Narynskoe	41 26	76 2	?2015	796·7	..	..	..	..	..	..	..	..	..	*275·3*	−0·2	255	..
452	Vernyi	43 16	76 53	841	..	..	..	..	..	..	..	..	..	..	..	..	..	..
461	Mukden	41 48	123 23	43·8	1010·9	1016·3	− 0·3	286·7	306·1	Aug. 9	274·9	247·0	Jan. 2	280·8	280·2	+0·4	769	+119
462	Joshin	40 40	129 11	4·0	1014·6	1015·1	+ 0·3	285·4	304·5	June 28	276·2	252·2	Jan. 3	280·8	280·4	−0·6	798	+ 97
463	Yukki	42 20	130 24	65·6	1007·2	1015·4	..	283·4	301·5	June 24	275·4	254·7	Jan. 16	279·4	279·2	..	781	..
464	Vladivostok	43 7	131 55	128	999·5	1015·4	− 0·4	280·8	299·9	Aug. 12	273·8	246·1	Jan. 3	277·3	277·0	−0·7	828	+258
465	Ochiai	47 20	142 44	6·6	1009·7	1010·5	− 1·8	280·7	301·8	July 31	269·9	241·6	Feb. 15	275·3	275·7	+1·0	770	−116
465*a*	Nemuro	43 20	145 35	26·7	1009·0	1012·3	− 0·3	282·6	300·5	July 2, Aug. 29	275·9	258·9	Dec. 30	279·2	279·1	+0·6	1186	+223
466	Syana	45 14 N.	147 53 E.	39·3	1006·3	1011·1	− 1·0	281·5	298·9	Aug. 15	274·4	258·1	Jan. 8	277·9	278·1	+0·9	1134	+143

Between Latitude 40° N. and 30° N.

YEAR—ZONE 5 (Western Half).

511	San Francisco	37 48	122 26	47·2	1010·8	1016·6	− 0·3	290·5	302·4	Oct. 12	283·2	276·3	Dec. 31	286·8	*286·2*	+0·5	529	− 34
512	San Luis Obispo	35 18	120 39	61·3	1009·1	1016·5	− 0·3	294·5	313·0	June 10	282·0	270·2	Dec. 31	288·3	*287·1*	+0·1	632	+ 79
513	San Diego	32 43	117 10	26·5	1011·8	1014·9	− 0·2	293·4	307·4	Sept. 11	286·3	274·7	Dec. 31	289·8	*289·6*	+0·7	307	+ 54
514	Modena	37 48	113 54	1670	833·5	1014·6	− 0·1	290·1	310·2	June 12	273·5	248·6	Dec. 31	281·8	*281·7*	+0·2	269	− 14
515	Santa Fé	35 41	105 57	2138	787·3	1013·8	+ 0·1	288·2	305·2	June 11	276·5	254·7	Jan. 21	282·3	*282·0*	−0·3	385	+ 26
516	Denver	39 45	105 0	1613	837·2	1015·6	+ 1·0	289·6	307·4	June 14, July 31	276·6	249·1	Jan. 31	283·1	*282·9*	0·0	451	+ 87
517	Abilene	32 23	99 40	530	954·3	1015·1	− 0·3	298·0	315·2	June 26	284·8	255·8	Jan. 11	291·4	*290·8*	+0·6	504	−105
518	Saint Louis	38 38	90 12	173	995·9	1016·5	− 0·7	291·4	313·6	Aug. 4	282·2	245·8	Jan. 12	286·8	*286·7*	+0·5	910	− 45
519	Mobile	30 41	88 2	17·4	1015·2	1017·3	− 0·3	297·4	311·3	June 17, Aug. 16	288·7	264·7	Jan. 12	293·1	*292·6*	+0·7	1770	+191
520	Nashville	36 10	86 47	166	998·3	1018·2	+ 0·1	293·7	310·8	June 17	282·9	249·7	Jan. 12	288·3	*288·4*	+0·2	1024	−174
521	Charleston	32 47	79 56	14·6	1016·3	1018·0	− 0·2	295·8	310·8	July 7	287·8	265·2	Jan. 13	291·8	*291·8*	+0·1	796	−451
522	Washington	38 54	77 3	34·1	1013·5	1017·7	− 0·1	291·4	314·1	Aug. 6	280·8	254·1	Feb. 5	286·1	*285·8*	+0·2	930	−152
523	Bermuda	32 18	64 46	46·0	1014·0	1019·4	+ 1·3	296·9	304·6	Aug. 14	291·5	281·9	Feb. 6	294·2	*294·0*	0·0	1630	+217
524	Santa Cruz (Flores)	39 27	31 9	28	1018·1	1021·1	− 0·9	292·7	300·0	Sept. 22	288·0	278·0	Jan. 31	290·4	*290·4*	0·0	1763	+151
530	Horta	38 32	28 38	65	1013·9	1021·1	− 0·6	292·2	299·5	Aug. 28	287·7	280·4	Jan. 31	290·0	290·0	−0·8	851	−241
531	Ponta Delgada	37 44	25 40	22	1019·6	1021·5	+ 0·1	292·3	299·4	Aug. 13	288·2	281·2	Jan. 1	290·2	290·2	−0·4	..	..
532	Faja da Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	1252	+108
532*a*	Madeira (Funchal)	32 37	16 54	25	1018·6	1021·6	+ 2·0	293·5	301·0	June 10	288·3	282·6	Apr. 24	290·9	*290·9*	−0·6	417	−272
533	Lisbon	38 43	9 9	95	1007·7	1019·1	+ 1·2	292·8	310·4	Aug. 21	286·1	273·1	Jan. 11	289·4	*289·1*	+0·4	721	− 32
534	Gibraltar	36 6	5 21	16·2	1016·8	1018·7	+ 0·7	293·7	307·4	June 28, July 23	286·6	278·0	Jan. 1	290·2	*290·0*	−0·7	949	+ 40
535	Melilla	35 18 N.	2 59 W.	8	‡1018·4	‡1019·4	+ 0·4	294·8	310·0	July 24	285·1	277·2	Dec.	289·9	*291·2*	−2·7	372	−122
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

YEAR—ZONE 5 (Eastern Half).

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Palma	39 34	2 39	23	1016·8	1019·5	+ 2·8	293·8	308·2	July 16	284·6	271·0	Jan. 10	289·2	..	−1·2	589	+4
538	Algiers (Bouzaréah)	36 48	3 2	343	977·0	1017·0	+ 0·2	292·3	313·1	Sept. 18	286·0	274·8	Dec. 27	289·1	288·7	−0·2	979	+4
539	Tunis	36 48	10 10	21	1015·0	1017·6	+ 1·7	295·5	315·0	Sept. 22	285·4	272·0	Jan. 12	290·5	289·9	−0·5	349	−3
539a	Malta	35 54	14 31	56·4	..	1016·7	+ 0·1	293·9	308·0	Sept. 8	288·9	277·7	Jan. 7	291·4	290·7	−0·5	536	+73
540	Riposto	37 41	15 14	14·2	..	1018·5	+ 1·5	293·5	303·6	July 27, 28	286·8	277·0	Jan. 6, 11	290·1	289·5	−1·2	890	..
541	Athens	37 58	23 43	107	1003·1	1015·8	+ 1·2	294·9	309·5	July 18	287·1	272·5	Jan. 6	291·0	290·7	+0·5	469	..
542	Alexandria	31 12	29 53	32·0	1011·4	1015·1	+ 0·2	298·7	311·9	May 31	290·4	279·6	Jan. 11	294·5	294·0	+0·8	179	..
543	Cairo (Helwan)	29 52	31 20	116	1001·0	1014·6	+ 0·8	301·5	315·0	May 31	288·8	277·3	Jan. 13	295·1	294·6	+0·4	36	..
544	Nicosia (P.W.D.)	35 9	33 22	159	994·9	1013·3	+ 0·6	298·2	313·0	July 15, 16	285·5	274·1	Jan. 6, 7, Feb. 7	291·8	..	+0·1	476	..
544a	Beirut	33 54	35 28	33·7	..	1014·7	+ 1·8	296·4	304·7	{July 21,22,28} {Aug. 4, 5}	290·4	278·5	Feb. 9	293·4	293·2	−0·1	1204	..
545	Baghdad	33 21	44 28	38·1	..	..	..	302·5	320·7	July 2	289·2	274·1	Jan. 19	295·8	294·5	+0·1	253	..
546	Busrah	30 31	47 53	7·6	1011·4	1012·5	− 0·2	303·3	319·7	July 3	289·7	273·3	Jan. 19	296·5	..	−0·2	351	..
546a	Lenkoran	38 46	48 51	−19·3	..	..	..	..	..	..	..	..	..	..	..	..	..	..
547	Teheran	35 41	51 25	1220	..	..	..	295·1	314·0	July 10	283·6	267·4	Jan. 1	289·3	289·1	−0·2	206	..
548	Meshed	36 16	59 35	946	..	..	..	..	..	..	..	..	..	..	..	..	..	..
549	Seistan	31 0	61 30	?	..	..	..	300·3	316·4	July 12	285·1	265·7	Jan. 1	292·7	..	..	34	..
550	Quetta	30 11	67 3	1677	832·8	..	+ 0·2	296·3	311·1	July 12	278·9	259·5	Feb. 3	287·6	287·4	−0·4	74	..
551	Peshawar	34 2	71 37	339	971·5	1010·1	− 0·3	303·6	322·2	July 11	287·9	271·9	Jan. 25	295·8	295·2	+0·4	238	..
551a	Lahore	31 34	74 20	214	984·2	1008·9	0·0	305·0	319·6	May 22	290·1	274·5	Feb. 6	297·6	297·0	+0·3	269	..
552	Simla	31 7	77 8	2205	780·8	..	+ 0·4	288·7	299·9	May 28	282·7	271·1	Jan. 25	285·7	285·5	−0·3	291	..
552a	Leh	34 10	77 42	3503	666·3	..	+ 0·2	..	302·6	Aug. 18	271·8	250·6	Jan. 27	..	..	..	1526	..
559	Hankow	30 35	114 17	37·0	1013·1	1017·5	+ 0·4	293·9	309·5	June 27, 28	285·9	266·6	Jan. 8	289·9	289·6	−0·2	34	..
560	Tientsin	39 10	117 10	5·0	1016·7	1017·3	0·0	290·1	310·0	June 18	280·8	260·4	Dec. 29	285·5	285·2	+0·1	1235	..
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1016·6	+ 0·1	293·9	309·2	Aug. 16	284·1	263·4	Jan. 3	289·0	288·1	0·0	1235	..
562	Jinsen (Chemulpo)	37 29	126 37	67·6	1008·3	1016·6	+ 0·3	287·9	308·5	Aug. 7	280·1	258·6	Jan. 3	284·0	283·5	−0·2	1318	..
562a	Nagasaki	32 44	129 52	133	1000·0	1015·9	+ 0·5	291·9	305·9	Aug. 5	284·9	269·4	Jan. 7	288·4	287·9	−0·8	1051	..
563	Kioto	35 1	135 44	42·9	1010·7	1015·9	+ 1·4	292·6	309·4	Aug. 8	281·7	265·9	Feb. 19	287·1	286·6	0·0	1040	..
564	Tokio	35 41	139 45	21·3	1012·2	1014·8	+ 0·7	291·4	307·4	Aug. 18	282·8	264·8	Jan. 9	287·1	286·8	−0·1	1337	..
565	Kanayama	37 53	140 46	24·6	1011·7	1014·7	+ 0·6	289·2	307·3	July 2	279·7	259·6	Jan. 26	284·5	284·3	0·0	1132	..
566	Miyako	39 38	141 59	30·4	1010·2	1013·9	+ 0·4	289·5	307·7	Aug. 29	278·7	262·2	Dec. 30	284·1	283·3	+0·3	1120	..

YEAR—ZONE 6. Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		N.	W.															
605	Honolulu	21 19	157 52	11·6	1014·4	1015·7	− 1·0	299·4	303·0	Aug.,Sept.	294·3	286·9	Jan.	296·9	296·7	+0·3	951	..
614	La Paz	24 10	110 20	12	..	..	..	..	..	..	..	..	..	..	..	..	..	..
615	Chihuahua	28 38	106 4	1423	859·7	1013·5	..	..	..	..	..	..	..	..	..	..	..	..
616	Leon	21 7	101 41	1809	822·0	1010·7	+ 0·9	295·8	308·0	June 27	282·1	264·7	Jan.10, Nov.27	288·9	..	..	353	..
616a	Monterry	25 40	100 18	528	954·4	1013·6	..	300·3	313·8	June 28	288·1	269·4	Jan. 18	294·2	294·4	..	383	..
617	Tulancingo	20 5	98 22	2180	..	..	..	..	..	May 12	..	268·0	Jan. 11, 12	291·5	291·1	−0·2	479	..
618	Galveston	29 18	94 50	16·5	1014·9	1016·9	+ 0·1	296·4	310·2	June 18	291·0	264·1	Jan.	..	287·8	−0·5	463	..
618a	New Orleans	29 58	90 4	16·2	..	1016·9	− 0·2	298·4	310·8	June 17	290·1	264·7	Jan. 11	293·7	293·5	−0·3	881	..
619	Merida, Yuc.	20 58	89 38	22	1012·0	1014·4	..	303·5	309·0	Apr. 28, May 12	294·7	286·2	Jan. 12	294·2	293·8	+0·7	1555	..
620	Havana	23 8	82 21	24·3	..	1016·3	+ 0·5	301·3	306·0	July 9, 20	294·9	284·6	Jan. 5	299·1	298·5	..	772	..
620a	Key West	24 33	81 48	6·7	1015·6	1016·2	− 0·3	301·1	306·3	Aug. 19	295·4	280·8	Jan. 5	298·1	297·9	+0·5	737	..
621	Nassau, Bahamas	25 5	77 21	3·7	..	1017·6	+ 0·3	300·4	305·2	{July 31 Aug.14,17,25}	295·1	286·6	Jan. 4	298·2	297·8	−0·1	758	..
622	Watling Island	24 6	74 26	33·5	1013·6	1017·4	+ 1·2	..	304·1	{Aug. 18 Sept. 15, 27}	..	290·8	Jan. 9	297·7	297·7	−0·2	1252	..
633	Izafia	28 19	16 30	2367	770·1	..	..	285·4	298·3	July 18	277·7	267·5	Jan. 1	..	299·2	..	..	..
634	La Laguna	28 28	16 20	547	955·4	1018·8	+ 1·7	293·3	306·6	July 21	285·2	277·5	Apr. 25	289·2	288·6	−0·3	528	..
637	Insalah	27 1	W 2 21	?280	..	..	..	306·7	324·2	July 4	288·4	273·0	Feb. 23	289·2	288·6	−0·3	522	..
641	Siwa	29 12	E 25 29	−23	..	..	..	..	..	..	..	..	Dec. 28	297·6	298·9	−0·8	0	..
642	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
643	Aswan	24 2	32 53	99·6	1000·1	1011·6	− 0·1	..	324·0	July 4	..	..	..	..	..	..	..	..
644	Tor	28 14	33 37	1·9	1011·8	1012·0	+ 0·4	300·9	317·0	July 5	290·0	278·0	Jan. 26	295·5	294·9	+0·2	..	..
647	Bushire	28 59	50 53	4·3	1010·0	1010·6	0·0	300·2	314·2	Aug. 5	293·2	280·4	Jan. 10	296·7	296·1	−0·4	197	..
648	Jask	25 44	57 47	4·0	1009·6	1010·1	0·0	303·6	314·4	July 17	295·3	284·1	Jan. 1	299·4	298·8	−0·2	150	..
649	Robat	29 45	60 55	?	908·1	..	..	302·9	318·1	July 12	283·6	265·8	Dec. 13	293·3	..	..	123	..
649a	Karachi	24 53	66 57	4·0	1010·0	1010·4	+ 0·7	301·4	309·4	Oct. 10	294·6	282·1	Jan. 1	298·0	297·4	−0·4	52	..
650	Jacobabad	28 17	68 29	56·7	1002·4	1008·9	+ 0·4	308·6	323·7	May 22	291·7	272·8	Jan. 1	300·2	299·6	+0·2	32	..
651	Jaipur	26 56	75 52	436	961·4	1010·3	+ 0·5	306·1	318·6	May 16	291·6	275·3	Jan. 29	298·8	298·2	+0·2	224	..
652	Nagpur	21 8	79 5	310	995·4	1010·3	+ 0·7	306·2	317·4	May 20	292·8	280·6	Jan. 9	299·5	299·0	−0·4	830	..
653	Allahabad	25 25	81 51	94·1	998·9	1009·7	+ 0·8	305·8	317·8	May 26	292·1	277·5	Jan. 31	298·9	298·2	+0·1	650	..
653a	Darjiling	27 3	88 18	2266	775·2	..	− 0·6	288·6	297·2	July 29	281·8	271·8	Dec. 18	285·2	285·0	+0·5	3314	..
654	Calcutta	22 36	88 23	6·4	1008·3	1009·0	0·0	303·8	311·4	Apr. 7	294·2	281·8	Jan. 6	299·0	298·7	+0·1	1482	..
655	Gauhati	26 8	91 41	59·7	1003·7	1010·6	− 0·1	302·0	311·2	May 27	291·9	277·8	Dec. 18	297·0	296·2	−0·1	1838	..
655m	Cherrapunji	25 15	91 42	1314	867·7	..	− 0·1	293·2	300·0	July 28	286·8	276·8	Dec. 21	290·0	289·4	−0·2	12976	..
655a	Akyab	20 11	92 56	6·1	1009·0	1009·7	− 0·4	302·1	306·6	Feb. 23, May 6	293·9	283·6	Feb. 1, 11	298·0	297·8	−1·1	8216	..
656	Mandalay	21 59	96 0	76·2	1002·0	1010·7	+ 0·4	306·6	314·8	May 1	294·9	282·2	Jan. 12	300·7	300·1	0·0	729	..
656a	Tengyueh	24 59	98 35	1633	833·0	..	..	293·5	301·3	July 26	282·5	268·6	Jan. 1	288·0	287·4	..	1783	..
657	Phu Lien	20 48	106 37	115	998·1	1011·5	+ 0·2	299·6	308·8	July 22	293·0	280·9	Jan. 28	296·3	295·6	−0·4	1630	..
658	Moncay	21 31	107 51	9	1011·0	1012·0	+ 0·5	299·2	309·0	June 30	291·6	275·1	Jan. 15	295·4	295·6	−0·7	2899	..
659	Hong Kong	22 18	114 10	33·2	..	1012·7	+ 0·1	297·3	305·9	July 14	292·9	278·6	Jan. 9	295·1	294·8	−0·3	2581	..
660	Amoy	24 27	118 4	ca.3	1014·1	1014·5	+ 0·1	296·9	307·4	July 28	291·7	277·4	Jan. 9	294·3	294·1	−0·5	1521	..
661	Taihoku, Formosa	25 2	121 31	9·3	1013·1	1014·2	+ 0·4	298·9	308·7	July 8	290·8	275·7	Feb. 19	294·9	294·3	−0·3	2150	..
661a	Santo Domingo	20 28	121 59	18·7	..	..	..	..	..	..	..	?286·0	Jan. 9	..	..	..	..	..
662	Naha	26 13	127 41	10·5	1012·7	1013·9	+ 0·2	298·6	306·8	July 1	291·4	277·9	Feb. 20	295·0	294·9	−0·2	1670	..
665	Titizima (Bonin Islands)	27 5	142 11	4·0	1014·4	1014·9	+ 0·6	298·7	306·4	July 5	292·7	280·0	Feb. 14	295·7	295·5	−0·1	1246	..
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 109 and 110. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 1

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

YEAR—ZONE 7.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Colima	19 12	103 45	509	956·2	1011·0	..	304·5	308·8	May 16, 23	292·1	284·8	Jan. 14	298·3	298·4	..	754	..
716	Morelia	19 42	101 7	1923	..	..	..	..	303·8	Apr. 28	..	?274·0	Jan. 2	..	..	..	..	..
717	Mexico, Tacubaya	19 24	99 12	2309	775·1	1010·8	0·0	296·6	303·9	Apr. 28	280·6	270·6	Jan. 2	288·6	287·6	−0·3	702	+ 73
718a	Oaxaca	17 4	96 42	1563	..	..	..	..	..	..	..	..	..	..	..	..	..	..
719	Salina Cruz	16 12	95 12	56	1005·6	1009·8	..	303·1	308·7	May 20	296·6	289·2	Jan. 4	299·8	299·4	..	1287	..
720	San Salvador	13 42	89 13	‡665	937·5	1012·0	+ 1·0	306·9	311·6	Dec. 12	290·0	280·4	Jan. 2	298·5	296·0	−0·2	2119	+424
721	Belize	17 29	88 12	5·2	1013·3	1014·0	+ 1·1	302·1	304·7	5 months	296·1	284·7	Jan. 2	299·1	298·7	−0·3	1642	−709
722	Jamaica (Negril Point)	18 15	78 23	10·1	..	1013·3	− 0·2	303·1	307·9	Aug. 28	294·4	286·9	Jan. 5	298·8	298·6	0·0	1605	+226
723	Port au Prince	18 33	72 23	37·4	1010·2	1014·5	+ 0·2	304·8	309·3	Aug. 25	294·7	290·3	Jan. 17	299·7	299·3	−0·3	1472	+ 93
724	Caracas	10 30	66 55	‡1010	900·9	..	+ 0·4	298·1	303·0	Apr. 14	287·7	282·2	Jan. 3	292·9	292·1	−0·7	759	− 54
724a	Montserrat	16 41	62 9	39·6	1010·0	1014·6	− 0·4	303·7	309·1	Sept. 8	295·3	289·7	Jan. 1, 8	299·5	299·0	..	1407	..
725	Grenada (Richmond Hill)	12 5	61 46	155	994·5	1012·4	0·0	301·7	305·2	Sept. 4	296·1	293·6	5 months	298·9	298·4	0·0	2092	+165
731	Barbados	13 8	59 36	55·2	..	1013·5	− 0·3	302·2	304·2	{May, Sept., Oct.}	295·2	291·2	Feb. 11	298·7	298·2	0·0	1274	− 20
732	St. Vincent, C. Verde Is.	16 54	25 4	11	..	..	..	..	..	..	..	..	..	..	..	..	..	..
733	San Tiago, C. Verde Is.	14 54	23 31	?40	1009·9	1014·5	+ 0·2	299·7	303·8	June 12, 30	295·2	291·6	Mar. 14, 28	297·5	297·5	0·0	566	+278
734	Bathurst	13 24	16 36	1·5	..	1013·6	+ 0·9	..	..	..	..	..	..	..	..	..	1372	+143
735	M'Carthy Island	13 42	14 46	1·1	..	..	..	..	..	..	..	..	..	..	..	..	1251	+441
736	Ségou	13 34	6 17	300	..	..	..	..	..	..	..	..	..	..	..	..	..	..
737	Timbuctoo	16 43	W 3 2	270	..	..	..	..	?317·1	May 31	..	..	..	..	..	..	..	..
738	Sokoto	13 2	E 5 14	353	..	..	..	307·2	315·2	Apr. 21	293·2	283·6	Jan. 31, Feb. 5	300·2	299·7	−0·7	807	+162
739	Kaduna Capital	10 32	7 25	637	944·0	1015·5	+ 0·9	303·4	310·2	Mar. 4	..	283·6	Jan. 28	..	..	..	1123	−127
740	Hadeija	12 40	10 5	?	..	..	..	..	..	..	..	..	..	..	..	..	..	..
741	Maiduguri	11 47	13 11	361	..	..	..	309·1	319·1	Apr. 12	293·2	281·3	Jan. 27	301·2	300·7	0·0	1080	+490
743	El Fasher	13 32	25 18	730	..	..	..	307·9	315·2	July 5	..	?277·5	Feb. 10	..	..	..	266	..
743a	El Obeid	13 11	30 14	569	945·9	1009·2	− 0·5	307·5	315·3	May 13	290·1	277·5	Feb. 12	298·8	298·7	+0·3	245	−111
744	Khartoum	15 37	32 33	390	965·2	1008·6	0·0	309·6	317·2	July 4	294·7	280·7	Feb. 11	302·1	302·1	−0·1	93	− 37
745	Port Sudan	19 37	37 13	5·9	1009·3	1009·9	− 0·1	306·2	318·0	July 3, Aug. 6	296·2	285·0	Feb. 8	301·2	300·8	0·0	134	+ 35
746	Berbera, Somaliland	10 22	45 2	9·2	1010·6	1011·7	+ 0·7	307·7	318·6	July 12, 16, 25	297·8	288·0	Jan. 13, 18	302·7	302·7	+0·2	49	− 16
749	Aden	12 45	45 3	28·7	1007·8	1011·0	0·0	303·5	309·1	Sept. 10	298·3	291·4	Feb. 18	300·9	300·4	−0·4	11	− 43
751	Bombay	18 54	72 49	11·3	1009·7	1010·9	+ 0·1	303·5	307·3	Oct. 17	297·1	289·3	Feb. 6	300·3	299·8	+0·5	902	−904
751a	Cochin	10 58	76 21	2·7	1011·3	1011·6	+ 0·2	304·0	307·3	Apr. 25	297·1	292·9	Jan. 30, Feb. 15	300·5	299·9	+0·1	2047	−863
752	Kodaikanal	10 14	77 28	2343	770·9	..	0·0	291·5	297·7	Apr. 19	282·9	275·9	Jan. 29	287·2	287·2	−0·2	1456	−124
752a	Bangalore	12 59	77 38	920	910·8	1011·3	+ 0·3	302·4	309·3	Apr. 16	290·8	283·9	Jan. 10	296·6	296·8	+0·2	806	− 87
753	Madras	13 4	80 14	6·7	1009·8	1010·5	+ 0·1	305·8	313·1	Aug. 5	296·9	289·0	Feb. 15	301·4	300·8	+0·1	1905	+640
754	Vizagapatam	17 42	83 19	11·6	1004·6	1009·7	+ 0·2	303·6	311·4	June 9	297·1	288·9	Feb. 1	300·3	299·7	+0·1	599	−348
755	Port Blair	11 40	92 40	17·7	1008·9	1010·9	+ 0·4	303·2	307·6	Apr. 23, 25	297·6	293·3	Feb. 6	300·4	299·8	−0·4	3274	+301
756	Rangoon	16 46	95 48	5·5	1010·5	1011·3	+ 0·5	304·7	310·9	Mar. 27	295·5	288·0	Jan. 16	300·1	299·0	−0·2	2271	−245
757	Saigon	10 47	106 42	11·2	1008·7	1009·9	+ 0·6	304·8	309·4	Apr. 7	295·7	289·0	Jan. 24, 31	300·3	299·7	−0·3	1571	−358
758	Nhatrang	12 15	109 12	3·6	1009·7	1010·1	+ 0·4	303·4	310·3	July 10	295·4	284·6	Feb. 21	299·4	298·9	−0·6	739	−656
759	Bolinao	16 24	119 53	7·1	..	1007·6	− 0·8	305·0	309·9	Apr. 24	296·1	289·4	Jan. 21	300·5	299·7	−0·4	2308	−325
761	Vigan	17 34	120 23	12·2	..	1009·0	− 0·2	304·3	308·2	May 6	295·8	290·0	Jan. 23	300·0	299·7	−0·3	2992	+420
761a	Manila	14 35	120 59	14·2	..	1009·6	− 0·1	304·2	308·4	Apr. 23, May 19	294·9	288·7	Jan. 23, Feb. 24	299·5	298·9	−0·7	2159	+178
762	Ormoc	11 0	124 36	5·6	..	1008·6	+ 0·2	304·4	307·0	Sept. 8, 14	295·6	290·4	Feb. 24	300·0	299·4	+0·3	2560	+336
763	Guam, Ladrone Is.	13 24	144 38	20·4	..	..	..	..	..	..	..	294·7	Jan. 3, 27, Feb. 3	..	..	..	..	..
		N.	E.															

Between Latitude 10° N. and 0°. YEAR—ZONE 8.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff. from Normal.
		N.	W.															
805	Fanning Island	3 55	159 23	3·1	..	..	..	304·3	308·0	Oct. 20	297·3	294·7	June, July, Oct.	300·8	300·3	+0·6	2966	+232
821	Colon	9 23	79 23	11·0	..	1010·7	− 0·2	301·6	305·2	Apr. 25	297·3	294·1	Jan. 2	299·4	299·0	−0·1	3181	− 97
822	Bogota	4 36	74 6	2645	..	..	..	..	..	..	..	..	..	..	..	..	..	..
822a	Merida, Venez.	8 36	71 9	1641	‡841·4	..	..	296·8	301·2	Aug. 27	288·0	283·9	Jan. 11	292·4	291·3	..	1826	..
824	El Peru, Guayanavieja	7 19	61 49	220	?985·2	?1010·5	− 0·2	..	..	..	..	..	..	..	..	..	..	..
825	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1013·5	+ 0·8	302·2	305·2	Oct., Nov., 4, 8	296·8	294·1	Nov. 23	299·5	299·2	−0·2	2253	+ 19
826	Paramaribo	5 49	55 9	3·7	..	..	..	303·2	307·3	Sept. 10	294·4	290·0	Feb. 12	298·8	298·2	−0·4	2584	+246
826a	Cayenne	4 56	52 21	6	..	..	..	..	308·6	Oct. 19	..	291·8	Jan. 27	..	..	..	..	..
833	Conakry	9 31	13 43	16	..	..	..	..	..	..	..	..	..	..	..	..	..	..
834	Freetown, Sierra Leone	8 30	13 9	68·3	1004·9	1012·8	+ 1·0	303·7	307·4	Feb. 23, 27	..	..	..	..	..	..	..	..
835	Cape Coast Castle	5 5	1 13	?	..	..	..	..	..	..	..	..	..	..	‡298·9	..	2603	−1338
836	Accra	5 33	W 0 12	25·7	..	..	..	..	..	..	..	..	..	..	..	..	897	+ 58
838	Lagos	6 27	E 3 24	1·8	1011·9	1012·1	− 0·8	303·2	309·8	Nov.	296·4	292·6	Jan.	299·8	299·3	0·0	1369	−451
838a	Zungeru	9 48	6 10	130	..	..	..	306·4	313·6	Mar. 3	294·5	285·8	Jan. 11	300·5	300·0	+0·1	1237	+104
839	Libreville	0 23	9 26	35	..	..	..	..	..	..	..	..	..	..	..	..	..	..
840	Yola	9 12	12 30	259	..	..	..	306·7	315·2	Mar. 4, 5	295·2	288·6	Dec. 19	300·9	300·4	0·0	1068	+119
841	Wau	7 42	28 3	440	959·5	1008·9	− 0·2	306·7	312·1	Mar. 6	291·9	283·0	Jan. 9	299·3	?298·5	−0·6	912	−176
843a	Malakal (Kodok)	9 35	31 37	394	965·1	1009·5	+ 0·5	307·9	313·3	Apr. 19	292·8	285·0	Jan. 23	300

YEAR—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature Mean Max. A.	Temperature Absolute Max.	Temperature Date.	Temperature Mean Min. B.	Temperature Absolute Min.	Temperature Date.	Temperature Mean of A and B.	Temperature †24 hr. Mean. *	Temperature Diff. from Normal.	Precipitation Total.	Precipitation Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	4 1	155 1	7·9	..	..	..	..	306·9	{Mar. 20 Sept. 29, 30}	..	..	..	..	‡300·8	+0·5	525	..
924	Manaos	3 8	60 1	43·8	..	..	..											
926	Taperinha	2 30	54 20	20·0	1008·9	1011·2	..	304·5	310·0	Nov. 3	296·4	294·0	Jan. 31, July 10	300·5	299·5	−0·7	1508	..
927	Turyassu	1 43	45 26	15·1	1009·3	1011·0	− 0·3	302·8	307·2	Nov. 13	295·0	292·5	June 18	298·0	297·8	..	1884	..
928	Barra do Corda	5 30	45 16	81·0	1000·9	1010·1	− 0·5	305·1	308·8	Dec. 23	295·1	292·1	Jan. 15	300·1	298·8	−0·2	1989	..
929	Quixeramobim	5 16	39 15	207	988·6	1011·9	− 0·1	305·1	310·6	Dec. 7	293·4	285·6	July 7	299·3	298·2	−0·3	934	..
930	Fernando Noronha	3 50	W32 25	106	1000·6	1012·8	− 0·4	304·9	308·5	Nov. 20	297·0	293·0	July 8	301·0	300·2	−0·2	645	..
								300·6	302·9	Mar. 16	296·6	294·0	July 6	298·6	298·4	..	710	..
939	Loanda	8 49	E 13 13	59·3	..	1012·6	+ 0·4	298·2	303·0	Apr. 28	294·5	289·0	Aug. 2	296·3	296·1	−0·4	244	..
940	Brazzaville	4 17	15 16	320	975·7	1012·1	− 0·2	303·2	311·0	Oct. 4	292·6	286·6	June 22, July 2	297·9	297·2	−0·3	1297	..
943	Masaka	0 21	31 47	?1280	..	..	..	299·3	..	..	288·5	?285·8	Jan. 12	293·9	291·9	−0·7	..	..
944	Nairobi	1 14	36 44	1800	..	..	..	296·2	301·9	Mar. 29	..	276·3	Aug. 25	..	‡288·8	−1·1	739	..
944a	Zanzibar	6 10	39 11	21·9	1013·8	1016·3	+ 0·7	301·6	305·0	Mar. 24	297·3	294·4	June 11	299·4	298·8	−0·3	1433	..
945	Lamu	2 16	40 50	3·1	..	..	..	304·6	306·9	Feb. 24	295·6	294·1	7 months	300·1	299·5	0·0	490	..
947	Seychelles, Port Office	4 37	55 27	4·6	1011·9	1012·5	+ 0·5	301·1	303·6	Apr.	298·2	295·4	Feb.	299·7	298·9	+0·3	2124	..
957	Padang	0 56	100 22	6·7	..	1010·9	− 0·2	303·0	305·7	May 26	296·0	293·5	Feb. 20	299·5	298·9	..	3742	..
958	Batavia	6 11	106 50	8·0	1009·6	1010·5	+ 0·5	302·9	307·4	Sept. 24	296·0	293·3	June 28	299·5	299·1	0·0	1654	..
958a	Pontianak	0 1	109 20	2·6	..	1010·5	+ 0·3	304·0	307·7	July 18	296·0	293·7	July 1	300·0	299·1	..	2588	..
959	Passeroean	7 38	112 55	5·0	..	1010·8	+ 0·9	303·7	306·9	Oct. 18	295·1	290·8	Aug. 13, Sept. 28	299·4	299·4	−0·1	1119	..
960	Kajoemas	7 56	114 9	1060	..	..	..	297·4	305·5	Nov. 14	290·4	287·5	Aug. 10	293·9	293·0	..	1897	..
962	Ambon	3 42	128 10	4·2	..	1010·3	+ 0·9	302·4	306·4	Nov. 27, Dec. 1	296·0	292·5	Aug. 10	299·2	298·7	+0·2	2664	..
963	Manokwari	0 52	134 20	19·0	..	1008·2	− 0·6	304·0	306·7	Nov. 28	295·7	293·1	July 25	299·9	299·2	..	1805	..
965	Daru	9 4	143 13	7·6	..	..	..	302·3	..	..	..	..	..	..	‡300·1	−0·1	1269	..
966	Port Moresby	9 29	147 9	39·0	..	1010·2	+ 0·1	302·5	..	..	296·0	..	..	299·2	298·7	−0·9	792	..
967																		
968	Rendova	8 30	157 12	1·8	1009·4	1009·7	+ 0·9	..	..	..	..	..	..	..	..	..	4440	..
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1009·4	1009·7	+ 0·7	303·7	307·7	Jan. 2	297·5	295·0	Feb. 7	300·6	300·4	+0·1	3058	..
970	Ocean Island	0 52	169 35	20·0	1005·2	1007·6	− 0·3	304·1	306·9	{Nov. 19, 20 Dec. 30}	297·3	294·7	Jan. 4	300·7	300·0	−0·3	2587	..
		S.	E.															

YEAR—ZONE 10.

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature Mean Max. A.	Temperature Absolute Max.	Temperature Date.	Temperature Mean Min. B.	Temperature Absolute Min.	Temperature Date.	Temperature Mean of A and B.	Temperature †24 hr. Mean. *	Temperature Diff. from Normal.	Precipitation Total.	Precipitation Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1002	Apia, Samoa	13 48	171 46	2	..	1010·8	+ 0·6	302·5	304·9	Sept. 12	295·8	292·1	Aug. 31	299·2	298·9	+0·1	2454	..
1003	Alofi, Niue Island	19 2	169 55	36·6	..	..	..	302·4	307·4	{Mar. 10, 23, 24 Nov. 9}	..	288·6	July 15, 16	..	..	..	1809	..
1007	Makatea	15 47	148 14	47	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1021	Arequipa	16 22	71 33	2451	760·9	..	− 0·3	293·9	300·8	Dec. 10	281·8	277·4	Oct. 30	287·8	286·8	+0·4	99	..
1022	Puerto de Arica	18 28	70 20	5	..	..	..	..	..	..	..	282·0	Aug. 3	..	..	..	10	..
1023																		
1024	Sucre, Bolivia	19 30	64 24	2848	729·1	..	..	..	299·0	Nov. 8	..	269·5	July 8	..	..	..	930	..
1025	Corumba	18 59	57 39	116	997·5	1011·0	..	303·7	311·5	Sept. 22	292·2	273·8	June 25	298·0	296·9	−1·1	1133	..
1026	Cuyaba	15 36	56 6	165	991·4	1010·4	− 0·3	302·9	309·2	Sept. 10, 11	296·3	282·9	July 9	299·6	299·3	−0·2	1257	..
1027	Bello Horizonte	19 55	43 55	857	919·2	1015·1	− 0·1	298·5	306·2	Sept. 29	288·0	275·4	June 26	293·3	293·0	0·0	1354	..
1028	Caetite	14 3	42 37	900	915·7	1014·7	+ 0·2	299·4	305·7	Sept. 4	289·9	284·5	June 27	294·7	295·1	+0·1	981	..
1029	Ondina (Bahia)	13 0	38 31	46·6	1008·4	1013·9	− 0·5	301·3	305·6	Jan. 10	294·9	290·4	Sept. 12	298·1	297·6	−0·2	2579	..
1030	Aracaju	10 55	37 3	4·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1035	St. Helena	15 57	W 5 40	632	946·4	1018·2	+ 0·4	294·0	300·2	Mar. 9	286·4	283·0	Aug. 12	290·2	289·9	+0·5	1017	..
1042	Gwelo	19 27	E 29 49	1417	862·2	..	− 0·6	..	309·7	Nov. 4	283·0	271·9	May 24, July 1	..	‡290·1	..	948	..
1043	Salisbury, Rhodesia	17 49	31 3	1457	857·6	..	− 0·6	297·9	308·7	Nov. 15	284·1	272·9	July 4	291·0	..	−0·5	1038	..
1044	Zomba	15 23	35 18	‡1945	908·5	1013·6	0·0	299·8	310·2	Oct. 31	288·3	279·1	May 26, June 24	294·1	293·6	+0·4	1090	..
1045	Tananarive	18 55	47 32	1400	865·9	..	+ 0·6	296·9	304·4	Nov. 12	285·7	277·7	Aug. 31	291·3	290·4	−0·1	939	..
1046	Sainte-Marie	17 0	49 51	15	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1055	Cocos Keeling Is.	12 5	96 53	4·6	1012·7	1013·0	+ 1·0	302·2	305·2	Mar. 3	297·4	293·8	Feb. 4	299·8	..	0·0	1099	..
1056																		
1057	Christmas Island	10 25	105 43	5·5	1008·8	1009·4	+ 0·4	304·0	306·9	Apr., May	296·4	292·4	Aug.	300·2	299·6	+0·1	1544	..
1058																		
1061	Koepang	10 10	123 34	45·1	..	1010·9	+ 0·9	304·1	308·6	Sept. 26	294·7	288·7	June 15	299·4	298·9	..	2120	..
1061a	Derby	17 18	123 40	16·2	1010·1	1012·0	+ 0·8	306·0	315·2	Dec. 15	294·6	281·9	July 11	300·3	..	−0·1	611	..
1062	Hall's Creek	18 13	127 46	374	970·6	1011·9	+ 0·3	306·6	315·8	Nov. 14, Dec. 19	289·8	273·0	July 17	298·2	297·6	−0·4	513	..
1063	Darwin	12 28	130 51	29·6	1006·8	1010·2	+ 0·7	305·2	309·2	Nov. 25	296·4	290·2	July 13, 16	300·8	299·7	−0·4	1530	..
1064	Daly Waters	16 16	133 23	211	985·9	1009·3	− 0·7	306·7	315·8	Nov. 13, Dec. 19	291·6	279·4	July 2	299·2	298·6	−0·7	659	..
1065	Mein	13 13	142 47	122	996·1	1009·8	+ 0·4	304·0	312·2	Oct. 15	292·7	282·4	July 11	298·4	..	−0·8	1056	..
1066	Georgetown, Queensland	18 22	143 32	302	978·5	1012·4	+ 0·7	304·6	312·7	Oct. 27	290·3	274·1	July 10	297·4	..	−0·8	734	..
1067	Samarai	10 37	150 40	15·2	..	1009·4	− 0·8	302·1	..	..	296·6	..	..	299·4	299·1	0·0	2935	..
1072	Suva, Fiji	18 8	178 26	16·8	..	1012·4	− 0·4	301·1	305·8	Jan. 31	294·4	288·4	Aug. 23	297·7	297·5	−0·3	2612	..
		S. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 112 and 113. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 112 and 113.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

YEAR—ZONE 11.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature Mean Max. A.	Temperature Absolute Max.	Temperature Date.	Temperature Mean Min. B.	Temperature Absolute Min.	Temperature Date.	Temperature Mean of A and B.	Temperature †24 hr. Mean. *	Temperature Diff. from Normal.	Precipitation Total.	Precipitation Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	6	..	..	..	..	..	..	..	..	..	..	..	..	2620	+651
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1012·7	1015·9	− 0·2	290·5	295·8	Mar. 7, 8	285·2	280·0	{June 30 July 1, 6}	287·9	287·6	+0·5	47	− 88
1122	Iquique	20 12	70 11	9	..	..	..	..	300·0	Mar. 7	..	..	..	..	..	..	0	− 1
1123	Catamarca	28 27	65 47	510	..	1010·6	− 0·4	300·6	316·2	Nov. 20	285·7	268·9	June 24, July 6	293·2	292·9	−0·6	424	+ 98
1124	Salta	24 46	65 28	1178	881·6	1011·1	− 0·7	296·8	308·8	Nov. 13	..	..	..	..	290·5	+0·1	1138	+527
1125	Goya	29 9	59 15	26	..	1013·9	+ 0·3	299·7	315·3	Jan. 29	287·9	273·0	June 24, July 7	293·8	293·4	+0·6	1682	+625
1126	Asuncion	25 21	57 37	95	‡1003·3	‡1014·5	− 0·3	301·3	312·9	Jan. 8	289·9	271·3	June 24	295·6	294·7	−0·9	1890	+631
1127	Curityba	25 25	49 17	908	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1128	Rio de Janeiro	22 54	W43 10	61·4	1008·1	1015·2	+ 0·1	298·4	307·3	Dec. 13	292·8	283·9	June 26	295·6	295·3	−0·5	1084	− 39
1139	Windhoek	22 35	E 17 5	1680	..	..	..	296·8	305·7	Dec. 15	286·0	273·2	May 30, Aug. 1	291·4	291·4	−0·6	445	+ 69
1140																		
1141	Kimberley	28 42	24 47	1202	883·6	..	− 0·1	298·2	311·4	Dec. 18	283·4	267·9	July 25	290·8	290·5	+0·2	436	− 10
1142a	Johannesburg	26 11	28 4	1806	825·1	..	+0·3	293·4	302·6	Dec. 16	282·7	269·1	May 30	288·1	287·7	−0·2	1185	+385
1143	Pretoria (Brooklyn)	25 46	28 13	1400	864·0	..	+ 0·2	296·6	305·6	Nov. 20	283·7	271·0	June 1	290·1	289·7	0·0	905	..
1144	Durban	29 52	31 3	15·2	1017·7	1019·5	+ 0·1	297·6	308·6	Nov. 14	289·8	281·2	June 23	293·7	293·2	+0·1	1226	+177
1147	Lorenzo Marques	25 58	32 36	59	..	1017·3	+ 0·2	300·3	311·7	Oct. 24	290·5	281·4	June 2	295·4	294·9	−0·3	1448	+ 701
1159	Mauritius	20 6	57 33	55·2	1010·0	1016·5	+ 0·4	299·5	306·0	Dec. 20	291·9	283·7	Aug. 27	295·7	295·4	−0·6	1273	+ 12
1160	Onslow	21 43	114 57	4·3	1010·9	1011·8	+ 0·1	304·2	319·0	Jan. 6	290·5	278·7	Aug. 20	297·4	..	−0·1	412	+196
	Peak Hill	25 38	118 47	588	945·9	1011·3	− 0·7	301·6	314·2	Jan. 22	288·9	275·8	Aug. 19	295·3	..	−0·1	327	+ 64
1161	Nullagine	21 53	120 5	386	968·9	1011·6	0·0	305·9	316·9	Jan. 21	289·4	271·6	July 18	297·7	..	0·0	262	− 72
1163	Laverton	28 40	122 23	466	961·9	1015·0	− 0·2	300·4	316·6	Jan. 20	286·7	270·8	June 29	293·6	293·5	+0·5	354	+105
1164	Alice Springs	23 38	133 37	587	947·9	1013·0	− 0·1	301·9	314·7	Nov. 13	285·8	269·7	July 17, 18, 21	293·9	293·9	0·0	106	−179
1165	William Creek	28 55	136 21	76·2	1007·0	1015·8	+ 0·2	301·1	316·9	Dec. 9	286·6	271·9	July 16	293·8	293·5	+0·5	53	− 81
1166	Boulia	22 55	139 38	146	995·6	1012·0	+ 0·3	304·3	317·5	Dec. 20	..	273·4	July 16	..	..	..	215	− 70
	Thargomindah	27 58	143 43	123	1000·1	1014·3	..	301·2	317·1	Dec. 10	287·8	272·4	July 15	294·5	294·2	..	266	− 30
1167	Mitchell	26 32	147 52	336	976·9	1014·7	..	300·3	314·4	Dec. 11	283·4	266·3	July 16	291·9	..	−0·4	445	−170
1168	Rockhampton	23 24	150 30	11·3	1013·2	1014·5	− 0·1	301·1	312·7	Nov. 29	289·6	274·4	July 16	295·4	..	−0·4	1357	+342
1169	Brisbane	27 28	153 2	38·1	..	1016·4	+ 0·5	298·6	311·4	Dec. 3	287·7	275·7	July 2	293·1	292·3	−0·4	631	−524
1170	Quitchambo	21 52	166 3	38	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Norfolk Island	28 58	168 3	15·2	1014·1	1015·9	− 0·4	294·4	301·9	Feb. 3	289·4	281·1	July 6	291·9	..	−0·3	1308	− 88
		S.	E.															

Between Latitude 30° S. and 40° S.

YEAR—ZONE 12.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature Mean Max. A.	Temperature Absolute Max.	Temperature Date.	Temperature Mean Min. B.	Temperature Absolute Min.	Temperature Date.	Temperature Mean of A and B.	Temperature †24 hr. Mean. *	Temperature Diff. from Normal.	Precipitation Total.	Precipitation Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1221	Juan Fernandez	33 37	78 50	10	..	..	..	290·7	298·7	Feb. 23	285·6	279·2	Aug. 2	288·1	288·6	0·0	988	+ 84
1221a	Punta Tumbes	36 37	73 6	91	‡1005·1	‡1016·2	− 0·7	288·9	297·4	Mar. 7	281·9	274·0	June 23	285·4	285·2	−0·3	432	− 86
1222	Punta Angeles, Valparaiso	33 1	71 38	41	1010·7	1015·6	− 0·9	291·9	306·0	Dec. 13	283·3	276·5	June 23	287·6	287·2	−0·8	492	+ 4
1222a	Santiago	33 27	70 42	520	955·0	1015·6	− 0·2	295·2	305·9	Dec. 7	280·5	269·4	July 6	287·9	286·9	+0·4	377	+ 13
1223	Cordoba	31 25	64 12	423	964·0	1013·1	− 0·4	298·0	313·2	Jan.	282·9	262·7	July	290·5	289·9	0·0	841	+137
1224	Bahia Blanca	38 45	62 15	25	..	1013·5	0·0	294·4	312·0	Jan. 4	283·3	269·0	July 6, 8	288·8	288·6	+0·2	800	+262
1225	Buenos Ayres (Chacarita)	34 36	58 22	25	..	1014·8	− 0·9	294·3	307·6	Jan. 23	284·3	267·6	July 9	289·3	289·1	−0·6	758	−184
1226a	Montevideo (Prado)	34 52	56 12	24·9	1012·2	1015·1	− 0·4	294·0	308·0	Jan. 13, 29	284·2	271·8	Oct. 3	289·1	289·1	−0·1	858	−109
	Porto Alegre	30 2	W51 13	23·5	1012·9	1015·7	− 0·1	297·2	311·4	Jan. 6	287·3	269·0	July 11	292·3	291·8	−0·4	1052	−188
1239	Cape Town	33 56	E 18 29	12·2	..	1017·4	+ 0·3	295·5	310·3	Feb. 13	285·5	276·6	Sept. 23	290·5	289·1	+0·7	678	+ 41
1240	Danger Point	34 37	19 18	27·7	1014·3	1017·6	..	292·1	308·0	Apr. 6	285·6	275·2	Oct. 3	288·8	..	..	637	..
1241	Riversdale	34 6	21 16	?61	1005·6	..	..	296·9	314·1	Mar. 13	283·1	273·6	{June 2, 28 July 28}	290·0	..	..	489	..
1242	East London	33 1	27 54	9·8	1016·4	1017·6	+ 0·5	295·7	308·0	Oct. 4	287·2	277·4	June 1	291·4	..	+0·2	716	−135
1259	Perth (Observatory)	31 57	115 51	60·0	1008·7	1016·1	− 0·4	296·2	314·7	Jan. 9	286·7	276·5	Aug. 27	291·5	291·3	+0·6	1007	+146
1260	Katanning	33 42	117 35	310	980·0	1016·3	+ 0·2	295·2	314·1	Jan. 24	282·9	272·0	Aug. 27	289·0	..	+0·4	582	+118
1261	Coolgardie	30 57	121 10	423	967·4	1015·9	+ 0·1	298·2	315·6	Jan. 25	284·7	272·0	June 28	291·4	291·3	+0·3	285	+ 27
1262	Eucla	31 45	128 58	4·6	1016·0	1016·6	+ 0·2	295·2	316·8	Jan. 20	285·9	273·6	July 5	290·5	290·6	+0·1	242	− 12
1263	Streaky Bay	32 48	134 13	13·1	1016·8	1018·4	+ 1·2	296·8	317·0	Dec. 8	284·9	274·8	Aug. 1	290·8	290·2	+0·6	274	−105
1264	Adelaide	34 56	138 35	42·7	1012·7	1017·7	+ 0·7	296·0	315·9	Feb. 11	284·9	275·4	July 21	290·4	290·1	+0·2	445	− 87
1265	Melbourne	37 49	144 58	35·1	1012·9	1017·1	+ 0·8	292·7	311·3	Dec. 23	283·3	272·4	July 21	288·0	287·7	+0·3	688	+ 41
1266	Bourke	30 13	145 58	110	1005·1	1017·8	+ 2·1	301·9	319·1	Dec. 9	284·5	269·7	July 11	293·2	..	−0·4	161	−191
1267	Sydney	33 52	151 13	44·5	1011·8	1016·9	+ 1·0	294·8	311·3	Dec. 20	285·9	276·0	July 11	290·3	289·8	0·0	1093	−122
1268	Lord Howe Island	31 20	159 0	4·6	1016·0	1016·5	+ 0·2	295·1	300·7	Jan. 28	288·5	279·4	July 4	291·8	..	−0·4	1161	−540
1271	Auckland	36 50	174 50	38·1	..	1013·8	..	291·1	298·6	Jan. 13, Mar. 8	284·7	274·7	July 26	287·9	..	−0·2	1380	+267
1272	Napier	39 32	176 53	21·3	..	..	..	..	..	..	..	270·8	Aug. 6	..	..	..	..	..
		S.	E.															

Between Latitude 40° S. and 50° S.

YEAR—ZONE 13.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature Mean Max. A.	Temperature Absolute Max.	Temperature Date.	Temperature Mean Min. B.	Temperature Absolute Min.	Temperature Date.	Temperature Mean of A and B.	Temperature †24 hr. Mean. *	Temperature Diff. from Normal.	Precipitation Total.	Precipitation Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1301	Chatham Island	43 52	170 42	104	..	..	..	..	..	..	..	..	..	..	..	..	998	+ 71
1321	Isla Huafo	43 34	74 45	140	997·2	1014·2	− 1·5	..	290·6	Dec. 31	280·3	274·8	June 21	..	282·3	..	901	−191
1322	Punta Galera	40 1	73 44	40	1011·4	1016·3	− 0·2	285·9	293·2	Mar. 8	281·4	275·2	June 23	283·7	284·1	−0·5	2370	+153
1323	Sarmiento	45 30	69 0	274	..	1009·4	..	289·8	310·0	Dec. 31	278·2	256·8	July 7	284·0	283·6	0·0	73	− 73
1324	Puerto Madryn	42 49	W64 58	14	..	1011·8	..	293·0	311·6	Feb. 20	280·5	261·6	July 8	286·7	286·4	−0·1	201	+ 48
1365	Launceston	41 27	E147 10	10·1	1013·2	1014·4	+ 1·1	291·8	306·9	Dec. 23	280·4	271·2	May 25	286·1	285·3	+0·5	654	− 64
1366	Hobart	42 53	147 20	53·9	1007·2	1013·7	+ 1·3	289·6	308·1	Jan. 21	281·4	272·9	July 22	285·5	284·7	+0·1	662	+ 60
1370	Invercargill	46 25	168 21	5·5	..	..	..	287·4	300·8	Feb. 23	278·4	268·0	July 4	282·9	..	−0·1	1247	+ 63
1371	Dunedin	45 52	170 31	91·4	..	1011·0	− 0·5	287·3	300·2	Feb. 13	279·7	270·8	Aug. 9	283·5	..	+0·4	937	0
1371a	Christchurch	43 31	172 38	7·6	..	1010·8	− 2·3	288·8	301·8	Jan. 18	279·7	270·3	July 17, Aug. 16	284·2	..	−0·6	714	+ 71
1372	Wellington	41 16	174 46	2·4	..	1012·6	− 0·9	289·3	299·3	Feb. 6	282·9	271·9	July 27	286·1	..	+0·2	1260	+ 24
		S. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 113 and 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 113 and 114.

YEAR—ZONE 14.

Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal.	Temperature. Mean Max. A.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B.	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A. and B.	Temperature. †24 hr. Mean. *	Temperature. Diff. from Normal.	Precipitation. Total.	Precipitation. Diff.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	996·0	1002·8	+ 0·4	280·5	285·9	Feb. 9	277·1	269·5	July 29	278·8	*278·6*	−0·7	303‡	−‡
1422	Puerto de Punta Arenas	53 10	70 54	4	1001·0	1001·5	+ 0·2	282·9	297·5	Feb. 20	275·4	263·7	July 29	279·1	*279·3*	−0·1	621	+‡
1423	Punta Dungeness	52 24	68 26	5	1001·1	1001·7	+ 0·3	283·8	294·8	Jan. 25	276·5	268·2	July 6, 7 / Aug. 16	280·1	*279·8*	−0·4	261	+‡
1424	Santa Cruz	50 11	68 21	12	..	1004·8	− 0·7	286·4	303·9	Mar. 7	276·3	260·4	Aug. 5	281·3	281·2	−0·4	162	−‡
1424a	Año Nuevo	54 39	64 9	50	992·8	998·9	+ 0·2	279·9	287·6	Dec. 30	276·0	266·9	July 28	277·9	277·9	0·0	682	+‡
1425	Stanley, Falkland Is.	51 41	57 51	4	..	..	..	..	..	..	..	..	..	..	..	..	699	..
1426	Cape Pembroke	51 41	57 42	21	..	1002·9	+ 1·1	281·7	291·9	Jan. 27	275·8	268·6	Aug. 16	278·7	279·1	+0·1	..	..
1429	S. Georgia (Cumberland Bay)	54 14 S.	36 33 W.	4	998·8	999·3	+ 2·1	278·6	293·0	Jan. 28	271·8	260·1	Aug. 24	275·2	*275·3*	+0·1	1461	+‡

YEAR—ZONE 15.

Between Latitude 60° S. and 70° S.

1527	South Orkneys	60 44 S.	44 39 W.	7	993·6	994·5	+ 1·8	272·1	284·3	Jan. 25	266·3	239·8	Aug. 16	269·2	269·2	+0·7	396	−‡
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 115.

† Estimates not based on at least six equally-spaced observations each day are in italics.

SUMMARY OF RESULTANT WINDS FOR THE YEAR, 1918.

	St. Helena.		Fanning Island.	Sierra Leone.	Entebbe.	Malden Island.	Tulagi.	Ocean Island.	Suva, Fiji.
Resultant	140°(93)	..	..	200°(45)	265°(56)	105°(84)	135°(45)	85°(41)	110°(39)
Normal	141°(89)	7·3††	105°(73) ‖	272°(22)	255°(33)	81°(81)	134°(47)	100°(43)	96°(53)

†† Mean velocity of the South-East Trade Wind at 632 metres.
‖ Normal refers to ½ (9+21).

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—YEAR 1918.

‡‡ *White Sea* was free of ice till late in the autumn.

‡‡ *Barents Sea.*—The position of the edge of the ice round Bear Island, Hope Island and in the northern part of the Sea was about normal during the summer, but in the southern part in June, the ice was 100 miles more westerly than usual and also rather close.

‡‡ *Spitsbergen.*—The ice was exceptionally favourable in the summer. The west coast was free except for a little ice near South Cape. From June onwards the sea was open on the north coast, eastwards almost to North Cape; the east coast and all straits were navigable and sealers reached Cape Leigh-Smith. Possibly Northeastland might have been circumnavigated.

‡‡ *Greenland Sea.*—North of Jan Mayen, the ice reached far eastwards until the beginning of August. The edge was closely packed owing to the S. and SE. winds in June and July but seems to have scattered a little after the middle of July. No later reports.

‡‡ *Iceland.*—At first there was ice along the north coast which later extended down the east coast to Gerpir. After February 9th the ice began to scatter and from March to December the coasts were free of ice though in the spring the ice was not far off the north coast.

‡‡ *Denmark Strait.*—At Angmagsalik the bay ice (unusually thick during the winter) did not break up until June and the polar ice consisting of large floes and many icebergs remained until July. At Cape Dan and in Angmagsalik Fjord, however, there was always a land water. Further out the ice was adrift towards the south all through the winter. The polar ice re-appeared a few days earlier than usual in the autumn. Icebergs were numerous.

‡‡ *Davis Strait.*—Winter ice was observed at times at Julianehaab, which is rare. "Storis" passed Cape Farewell about December 15th, more than a month earlier than usual, and owing to the northerly winds so far off shore as to be invisible. The number of icebergs was about normal, except in September when they were more numerous than usual near Cape Farewell.

‡‡ *Baffin Bay and Smith Sound.*—Throughout the summer pack ice extended outside the firm coast ice as far as could be seen.

‡‡ *Isforholdene i de Arktiske Have*, 1918, 1919, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, 1918.

TABLE SHOWING THE AUTHORITIES FOR THE METEOROLOGY OF THE GLOBE FOR THE YEAR 1918 AND THE PERIOD OF THE NORMALS, TOGETHER WITH THE HOURS OF OBSERVATION (LOCAL MEAN TIME), FORMULÆ FOR MEANS, ETC.

Between Latitude 80° N. and 70° N. P=Barometric Pressure. T=½ (M+m) Temperature. 𝕋=True Mean Temperature. R=Precipitation. ZONE 1.

No.	Name of Station.	Authority for Current Data.	Period of Normals.	Remarks.
105	Barrow	..	..	..
123	Inglefield Bay	Copenhagen, Dansk Meteor. Aarbog, 1918.	P, 9–14 yrs., 1853–1919.	kl P=⅛ (8+14+21). 𝕋=⅛ [2(8+14)+5×21]
124				
125	Upernivik	Do. do.	P, 𝕋, R, 1875–1916.	e P=⅛ (8+14+21). 𝕋=⅛ [2(8+14)+5×21] Aug. and Sept., see "k."
139	Spitsbergen (Green Harbour)	Kristiania, Jahrb. d. Norweg. Meteor. Instituts, 1918, 1919.	P, 15 yrs., 1872–1921. 𝕋, R, Dec., 1911–June, 1921.	ek P, 𝕋=mean of 24 hrs.
140				
141	Gjesvaer	Do. do., 1918	P, (1851–1900). 𝕋, 1841–1917. R, 1883–1912.	ek P=⅛ (I+II+III) + corr. to reduce to mean of 24 hrs. 𝕋=n−k (n—min.) where n is the mean of the three fixed daily observations, and k is a factor varying with the station and month.
142	Mehavn	Do. do.	P, 𝕋, R, 1898–1917.	
143	Vardö	Do. do.	P, (1851–1900). 𝕋, 1841–1921. R, 1893–1921.	
147	Malye Karmakouly	MS. data supplied by Central Phys. Obs., Petrograd.	P, 16 yrs., 1896–1920.	e P=⅛ (7+13+21).
148	Waigatz	Do. do.	P, (1871–95).	e P=⅛ (7+13+21). 𝕋 derived from these hours. March to June and Aug., *see* "k."
157	Maudhavn	Sverdrup, H., Maud-Ekspeditionens videnskabelige Arbeide, 1918–19. . . . Bergen, 1922, and MS. data supplied by Norveg. Meteor. Inst., Kristiania.	P, (1871–95).	P, 𝕋 (Nov. and Dec.)=½ (8+14+20). 𝕋 (Oct.)=1/10 (2×8+14+7×20).

Between Latitude 70° N. and 60° N. ZONE 2.

202	Gambel	Washington, D.C., U.S. Dept. Agric., Climatological Data, Alaska Section, 1918.	..	..
203	Nome	Washington, D.C., U.S. Dept. Agric., Climatological Data, Alaska Section, 1918, and Rep. of Chief of Weather Bureau, 1918, 1919.	P, (1901–20). T, 1907–16. R, 14 yrs., 1906–20.	P=½ (6+18). 𝕋=¼ (6+18+M+m). April 1st to Sept. 5th, obs. at 5 h. and 17 h.
204	Candle	See No. 202.	..	..
205	Tanana	See No. 203.	P, (1901–20). T, (1901–18). R, 11–14 yrs., 1905–20.	P=½ (7+19). 𝕋=¼ (7+19+M+m).
206				
207	Rampart	See No. 202.	R, 1905–10; '13–20.	..
208	Valdez	See No. 203.	P, (1901–20). T, (1898–1916). R, 1909–20.	Do. do.
209	Eagle	Do.	P, (1901–20). T, (1900–18). R, 12–17 yrs., 1882–1920.	P=½ (8+19). April to Oct., obs. at 7 h. and 18 h.
210	Dawson	Toronto, Meteor. Service, Monthly Record of Meteor. Obs., 1918.	P, 1902–18. T, 1901–18. R, 1898–1914.	bce P=⅛ (8+16+20).
	Carcross	Toronto, Meteor. Service, Monthly Record of Meteor. Obs., 1918, and MS. data.	T, 10 yrs. R, 1907–17.	..
211	Fort Good Hope	See No. 209.	R, unknown.	bce P=⅛ (8+16½).
212	Fort Simpson	Do.	T, unknown. R, 8–14 yrs., 1897–1914.	bce P=⅛ (8+17).
213	Hay River	Do.	T, unknown.	bce P, 𝕋 (Jan. to June and Year)=½ (8+17½).
225	Jacobshavn	Copenhagen, Dansk Meteor. Aarbog, 1918.	P, R, 1874–1916. 𝕋, 1874–1919.	e P=⅛ (8+14+21). 𝕋=⅛ [2(8+14)+5×21]. Jan. to Sept., see "k."
226	Godthaab	Do. do.	P, 𝕋, R, 1874–1916 (incomplete).	e P=⅛ (8+14+21). 𝕋=⅛ [2(8+14)+5×21]. April to June, see "k."
227	Ivigtut	Do. do.	P, 𝕋, 1880–1917. R, 1875–1917.	e P=⅛ (8+14+20). 𝕋=⅛ (8+14+5×20). Jan. to May, see "k."
229	Angmagsalik	Do. do.	P, 22 yrs., 1894–1916. T, 21 yrs., 1895–1916. R, 18 yrs., 1897–1916.	e P=⅛ (8+14+21). 𝕋=⅛ [2(8+14)+5×21].
231	Stykkisholm	Do. do.	P, 1851–1900. 𝕋, 1846–1900. R, 1856–1900.	ce Do. do.
232	Vestmanno	Do. do.	P, (1851–1900). 𝕋, 1878–1916. R, 1881–1916.	ce Do. do.
233	Grimsey	Do. do.	P, (1851–1900). 𝕋, 1875–1916. R, 36–43 yrs., 1874–1916.	ce Do. do.
2332	Akureyri	Do. do.	P, (1851–1900).	ce P=⅛ (8+14+21). From Oct., obs. of pressure are taken at Grimsey.
234	Berufjord	Do. do.	P, (1851–1900). 𝕋, R, 1873–1916.	ce P=⅛ (8+14+21). 𝕋=⅛ [2(8+14)+5×21].
235	Thorshavn	Do. do.	P, T, R, 1871–1916.	ce Do. do.
236	Lerwick	London, Monthly Weather Rep. of Meteor. Office, 1918.	P, 1871–1915. T, R, 1881–1915.	ce P=⅛ (7+13+21). M.S.L. reduced to 24 hrs. 𝕋=¼ (7+13+2×21). Temperature values for May corrected to low level station.
237	Bergen (Met. Obs.)	Kristiania, Jahrb. d. Norweg. Meteor. Instituts, 1918, and MS. data.	P, (1851–1900). 𝕋, 1861–1910. R, 1765–70; 1861–1921.	e }
238	Christiansund	Kristiania, Jahrb. d. Norweg. Meteor. Instituts, 1918.	P, (1851–1900). 𝕋, 1841–1917. R, 1867–71; '76–1912.	ek } See Gjesvaer No. 141.
239	Trondhjem	See No. 237.	P, (1851–1900). 𝕋, 1841–1917. R, 1885–1912.	e }
240	Bodö	See No. 238.	P, (1851–1900). 𝕋, 1841–1917. R, 1869–1912.	ek }
241	Haparanda	Stockholm, Meteor. Iakttagelser i Sverige, 1918.	P, (1851–1900). 𝕋, 1859–1900. R, 1860–1910.	ce P=⅛ (8+14+21). 𝕋 derived from these hours.
242	Helsingfors	Helsingfors, Ergebn. d. Beob., 1918.	P, (1851–1900). 𝕋, 1845–56; '82–1915. R, 70–71 yrs., 1844–1915.	e P=⅛ (7+14+21). 𝕋=¼ (7+14+2×21).
242a	Kuopio	Do. do.	P, (1851–1900). 𝕋, 1884–1915. R, 22–23 yrs., 1893–1915.	e Do. do.

For notes *see* page 115.

ZONE 2—(*continued*).

No.	Name of Station.	Authority for Current Data.	Period of Normals.		Remarks.	
243	Kola	MS. data supplied by Central Phys. Obs., Petrograd.	**P,** (1851–1917). **T,** 1876–1908; '10–'15. **R,** 1878–1908; '11–'13.	e	**P**=$\frac{1}{3}$ (7+13+21). **T** derived from these hours.	
244	Petrozavodsk	..	..	..	..	
245	Arkhangelsk	See No. 243.	**P,** 1851–1917. **T,** 1813–1917. **R,** 1871–1917.	e	Do.	do.
246	Mezen	Do.	**P,** 1871–1908. **T, R,** 1883–1908.	e	Do.	do.
247	Oust-Tsylma	Do.	**P,** 1871–1915. **T,** 23 yrs., 1889–1915.	e	Do.	do.
248	Tcherdyn	Do.	**P,** (1851–1900). **T,** 1847–48; '88–1908. **R,** 23 yrs., 1885–1908.	e	Do.	do.
249	Berezov	Do.	**P,** (1851–1900). **T,** 47 yrs., 1836–1913. **R,** 29 yrs., 1878–1913.	e	Do.	do.
250	Obdorsk	Do.	**P,** (1851–1900). **T,** 29 yrs., 1882–1913. **R,** 1882–1908; '11–'13.	e	**P**=$\frac{1}{3}$ (7+13+21). **T** derived from these hours. July, see "k."	
251	Sourgout	Do.	**P,** (1851–1900). **T,** 27 yrs., 1884–1913. **R,** 1884–1908; '11–'13.	ek	**P**=$\frac{1}{3}$ (7+13+21). **T** derived from these hours.	
252			**P,** (1871–95).	ek	Do.	do.
253	Doudinka	Do.	**P,** (1871–95). **T,** 27 yrs., 1877–1911. **R,** 1877–91.	ek	Do.	do.
254	Touroukhansk	Do.				
262	Iakoutsk	See No. 243.	**P,** 1871–1908; '11–'13. **T,** 49 yrs., 1829–1913. **R,** 26–36 yrs., 1837–1913.	ek	See No. 251.	
263	Verkhoïansk	Do.	**P,** (1891–1905). **T,** 26 yrs., 1869–1913. **R,** 22 yrs., 1886–1913.	ek	Do.	
271	Markovo-sur-Anadyr	MS. data supplied by l'Obs. Météor., Vladivostok.	**P, T, R,** 14 yrs., 1894–1914.	e	**P, T**=$\frac{1}{3}$ (7+13+21).	
272	Novo-Mariinskii Post	See No. 243.	**P,** 10 yrs., 1899–1915. **T, R,** 11 yrs., 1898–1915.	e	Do.	

ZONE 3

Table showing the Authorities for the Meteorology of the Globe between Latitude 60° N. and 50° N.

301	Atka	Washington, D.C., U.S. Dept. Agric., Climatological Data, Alaska Section, 1918.	..	..	
302	St. Paul Island	Do. do.	**P,** (1901–20).		
303	Dutch Harbor (Radio)	Do. and Rep. of Chief of Weather Bureau, 1918–19.	**P,** (1901–20). **T,** (1898–1916). **R,** 1905–20.	c	**P**=$\frac{1}{3}$ (6+18). **P**=$\frac{1}{3}$ (6+18) to Feb. 10th, then $\frac{1}{3}$ (12+18). **T** (Jan.)=$\frac{1}{4}$ (6+18+M+*m*).
304			..	..	..
305	Dillingham	..	..	..	..
306	Kodiak (Radio)	See No. 303.	**P,** (1901–20). **R,** 16–21 yrs., 1898–1910; '13–'20.		
309	Sitka	See No. 303.	**P,** (1901–20). **T, R,** 17–19 yrs., 1898–1916.		
310	Prince Rupert	Toronto, Meteor. Service, Monthly Record of Meteor. Obs., 1918.	**P,** 10 yrs., 1911–21. **T,** (24 yrs.). **R,** 11 yrs., 1910–21.		
311	Barkerville	Toronto, Meteor. Service, Monthly Record of Meteor. Obs., 1918, and MS. data.	**P,** 1900–18. **T,** 31 yrs. **R,** 1888–1913.		
312	Kamloops	See No. 310.			
313	Calgary	See No. 311.	**P,** 1900–18. **T,** 27 yrs. **R,** 1892–1913.		
314	Fort Chipewyan	See No. 310.	**P,** 1900–18. **T,** 34 yrs. **R,** 1884–1917.		
315	Prince Albert	Do.	**T, R,** 20 yrs.		
316	Qu' Appelle	Do.	**P,** 1900–18. **T,** 34 yrs. **R,** 1884–1917.		
317	Minnedosa	Do.	**P,** 1900–13; '15–'18. **T,** 34 yrs. **R,** 1883–1917.		
318	Berens River	See No. 311.	**P,** 1885–1918. **T,** 35 yrs. **R,** 1883–1917.		
318*a*	Port Nelson	See No. 310.	**T,** 25 yrs. **R,** 1886–1917.		
319	Fort Hope	See No. 311.	**P,** unknown. **T, R,** 8½ yrs.		
320	Moose Factory	See No. 310.	**T,** unknown. **R,** 17 yrs.		
321	Fort George	MS. data supplied by Canadian Meteor. Service, Toronto.	**P,** 1901–18. **T,** unknown. **R,** 1878–1907 (incomplete).		
322	Mistassini Post	See No. 311.	..		
323	Hebron	Hamburg, Deutsche Übersee. Meteor. Beob., 23.	**T, R,** unknown.		
324	Natashquan	See No. 311.	..		
326	Belle Isle	See No. 310.	**T, R,** unknown.		
334	Cahirciveen (Valencia Obs.)	London, Monthly Weather Rep. of Meteor. Office, 1918.	**P,** 1900–09; '11–'13; '17–'18. **T,** 1888–1918. **R,** 35 yrs.		
335	Aberdeen	Do. do.	**P, R,** 1871–1915. **T,** 1881–1915.		
336	Greenwich	Do. do.	**P, R,** 1871–1915. **T,** 1881–1915.		
337	Uccle	Bruxelles, Inst. Roy. Météor., Ann. Météor., 1919, 1920.	**P,** 1871–1915. **T, R,** 1881–1915.		
338	De Bilt	Utrecht, Nederlandsch Meteor. Inst., Jaarboek, 1918.	**P,** 1833–1904. **T,** 1886–1910. **R,** 1833–1900.		
338*a*	Hamburg	Hamburg, D. Seewarte, Ergebn. der Meteor. Beob., 1918.	**P, T,** 1851–1900. **R,** 1897–1914.		
339	Copenhagen	Copenhagen, Dansk Meteor. Aarbog, 1918.	**P, T,** 1876–1910. **R,** 1867–1916.		
340	Potsdam	Berlin, Ergebn. d. Meteor. Beob. in Potsdam, 1917 und 1918.	**P,** 1842–1917. **T,** 1876–1915. **R,** 1822–1917.		
340*a*	Upsala	Upsala, Bull. mens. de l'Obs. météor., 1918.	**P,** 1851–1916. **T,** 1893–1916. **R,** 1877–1916.		
341	Warsaw	MS. data supplied by Inst. Centr. Météor., Warsaw.	**P,** 1851–1900. **T,** 1866–1910. **R,** 1860–1910.		
342	Dorpat (Jurjev)	Jurjev, Obs. météor.. faites à . . . en 1918.	**P, T, R,** 1866–1915.		

For notes, *see* page 115.

ZONE 3 (*continued*).

No.	Name of Station.	Authority for Current Data.	Period of Normals.		Remarks.	
343	Petrograd	MS. data supplied by Central Phys. Obs., Petrograd.	**P, T,** 1851–1900. **R,** 90 yrs., 1778–97; 1835–1915.	e	**P**=$\frac{1}{3}$ (7+13+21). **T** derived from these hours.	
344	Kiev	Do. do.	**P,** 1871–1915. **T,** 1851–1900. **R,** 1856–1915.	e	Do.	do.
344*a*	Moscow	Do. do.	**P,** 1871–1915. **T,** 1851–1900. **R,** 61–62 yrs., 1853–1915.	e	Do.	do.
345	Saratov	..	..	..	..	
346	Kazan	See No. 343.	**P, T,** 1851–1900. **R,** 53 yrs., 1829–32; '55–'58; '70–1915.	e	**P**=$\frac{1}{3}$ (7+13+21). **T** derived from these hours.	
347	Orenburg	Do.	**P,** (1851–1900). **T,** 1843–75; '86–1915. **R,** 62 yrs., 1843–76; '85–1915.	e	Do.	do.
348	Perm	Do.	**P,** (1851–1900). **T,** 1866–70; '83–1915. **R,** 33 yrs., 1882–1915.	e	Do.	do.
349	Ekaterinburg	Do.	**P, T,** 1851–1900. **R,** 1836–1915.	e	Do.	do.
350	Tobolsk	Do.	**P,** 23 yrs., 1885–1913. **T,** 54 yrs., 1832–1913. **R,** 35 yrs., 1841–1913.	e	Do.	do.
351	Akmolinsk	Do.	**P,** 1871–1908; '11–'13. **T,** 35 yrs., 1870–1913. **R,** 32 yrs., 1873–1913.	ek	Do.	do.
352	Omsk	Do.	**T,** 26 yrs., 1875–1912. **R,** 28 yrs., 1875–1913.		**T** derived from $\frac{1}{3}$ (7+13+21).	
353	Barnaoul	Do.	**P, T,** 1851–1900. **R,** 1838–1908; '10–'13.	e	**P**=$\frac{1}{3}$ (7+13+21). **T** derived from these hours.	
354	Tomsk	Do.	**P,** 1871–1908; '10–'13. **T,** 54 yrs., 1837–1913. **R,** 38 yrs., 1874–1913.	ek	Do.	do.
355	Minousinsk	Do.	**P,** (1871–95). **R,** unknown.	ek	Do.	do.
356	Eniseisk	Do.	**P,** 1871–1908; '11–'13. **T,** 42 yrs., 1842–1913. **R,** 41 yrs., 1871–1913.	ek	Do.	do.
357	Irkutsk	Do.	**P,** 1871–1908; '10–'13. **T,** 62 yrs., 1830–1913. **R,** 38 yrs., 1873–1913.	ek	Do.	do.
358	Kirensk	Do.	**P,** (1871–1908; '10–'13). **T, R,** 1892–1908; '11–'13.	ek	Do.	do.
359	Tchita	Do.	**P,** (1871–1908). **T,** 1890–1908; '10, '11, '13. **R,** 24 yrs., 1887–1913.	ek	Do.	do.
360*a*	Nertchinskii Zavod	Do.	**P,** 1871–1908. **T,** 67 yrs., 1839–1908. **R,** 69 yrs., 1839–1908.	ek	Do.	do.
361	Tygan Ourkan	Do.	..	e	Do.	do.
362	Blagoveshchensk	Do.	**P,** 1871–1908; '13–'14. **T,** 36 yrs., 1859–1913. **R,** 14–24 yrs., 1877–1908.	e	Do.	do.
363	Paikanskii Sklad	Do.	..	e	Do.	do.
364						
365	Nikolaevsk-sur-Amour	MS. data supplied by l'Obs. Météor., Vladivostok.	**P,** 47 yrs., 1871–1908; '10–'19. **T,** 60 yrs., 1854–1908; '10–'19. **R,** 51 yrs., 1860–1908; '10–'19.	k	Do.	do.
366	Okhotsk	See No. 343.	**P,** 1871–99; 1911–14. **T,** 25 yrs. **R,** 17 yrs.	e	Do.	do.
367						
368	Petropavlovsk	MS. data supplied by l'Obs. Météor., Vladivostok.	**P,** 13 yrs., 1891–1915.	e	Do.	do.
369						
371	Attu Island	Washington, D.C., U.S. Dept. Agric., Climatological Data, Alaska Section, 1918.	**P,** (1901–20).		**P**=8 h.	

Table showing the Authorities for the Meteorology of the Globe between Latitude 50° N. and 40° N.

ZONE 4.

411	Victoria, B.C.	Toronto, Meteor. Service, Monthly Record of Meteor. Obs., 1918.	**P,** 1900–18. **T,** 29 yrs. **R,** 1881–1910.	be	**P, T**=mean of 24 hrs.
412	Portland, Oregon	Washington, D.C., U.S. Dept. Agric., Rep. of Chief of Weather Bureau, 1918–19, and Monthly Weather Rev., 1918.	**P,** 1876–1915. **T,** 1873–1905. **R,** 1871–1917.	n	**P** reduced to mean of 24 hrs. **T** derived from $\frac{1}{3}$ (8+20).
413	Macleod	See No. 411 and MS. data.	**T,** 26 yrs. **R,** 1905–17.		**T** derived from $\frac{1}{3}$ (M+*m*).
414	Helena	See No. 412.	**P,** (1876–1915). **T,** 1880–1905. **R,** 1880–1917.	n	**P** reduced to mean of 24 hrs. **T** derived from $\frac{1}{3}$ (8+20).
414*a*	Salt Lake City	Do.	**P,** 1876–1915. **T,** 1875–1905. **R,** 1874–1917.	n	Do. do.
415	Cheyenne	Do.	**P,** 1876–1915. **T,** 1873–1905. **R,** 1871–1917.	n	Do. do.
416	North Platte	Do.	**P,** 1876–1915. **T,** 1875–1905. **R,** 1874–1917.	n	Do. do.
416*a*	Bismarck	Do.	**P,** 1876–1915. **T,** 1875–1905. **R,** 1875–1917.	n	Do. do.
417	Winnipeg	See No. 411.	**P,** 1900–18. **T,** 45 yrs. **R,** 1872–1917.	bce	**P**=mean of 24 hrs. **T**=$\frac{1}{3}$ (7+19+M+*m*).
418	Duluth	See No. 412.	**P,** 1876–1915. **T, R,** 1904–17.	n	**P** reduced to mean of 24 hrs. **T** derived from $\frac{1}{3}$ (8+20).
419	Port Arthur	See No. 411.	**P,** 1900–18. **T,** 38 yrs. **R,** 1881–1910.	bce	**P**=$\frac{1}{3}$ (7+14+19). **T**=$\frac{1}{4}$ (7+19+M+*m*).
420	Chicago	See No. 412.	**P,** 1876–1915. **T,** 1873–1913. **R,** 1871–1917.	n	**P** reduced to mean of 24 hrs. **T** derived from $\frac{1}{3}$ (8+20).
421	Toronto	See No. 411.	**P,** 1900–18. **T,** 78 yrs. **R,** 70 yrs.	be	**P, T**=mean of 24 hrs.
422	New York	New York, Rep. of Meteor. Obs., Central Park, 1918.	**P, T, R,** 1868–1918.	en	**P**=$\frac{1}{3}$ (7+14+21). **T**=mean of 24 hrs.
423	St. John, N.B.	See No. 411.	**P,** 1902–18. **T,** 45 yrs. **R,** 1861–1910.	bce	**P**=$\frac{1}{3}$ (9+15+21). **T**=mean of 24 hrs.
424	S.W. Point, Anticosti	Do.	**P,** 1900–18. **T,** 37 yrs. **R,** 1888–1907.	bce	**P**=$\frac{1}{3}$ (8½+15½+20½). **T**=$\frac{1}{4}$ (8½+20½+M+*m*).
424*a*	Sable Island	Do.	**P,** 1895–1918. **T,** 36 yrs. **R,** 1889–1917.	bce	**P**=$\frac{1}{3}$ (9+14+21). **T**=$\frac{1}{4}$ (9+21+M+*m*).
425	Port aux Basques	Do.	**P, T, R,** 1909–20.	bce	**P**=$\frac{1}{3}$ (9+21). **T**=$\frac{1}{4}$ (9+21+M+*m*).
426	St. John's, Newfoundland	Do.	**P,** 1884–1918. **T,** 46 yrs. **R,** 1885–1916.	bce	Do. do.
435	Madrid	Madrid, Anuario del Observatorio, 1920.	**P,** (1851–1900). **T, R,** 1860–1916.	e	**P, T**=$\frac{1}{3}$ (3+6+9+12+15+18+21+24).
436	Nantes	MS. data supplied by l'Office National Météor., Paris.	**P, T,** 1851–1900. **R,** 1886–1910.	e	**P, T**=mean of 24 hrs.
437	Paris (Parc St. Maur)	Do. do.	**P, T,** 1851–1900. **R,** 1820–1910.	e	Do.
438	Marseilles	Marseille, Commission de Météor. du Bouches du Rhône, Bulletin Annuel, 1918, 1919.	**P, T,** 1851–1900. **R,** 1867–1918.	c	**P** (Jan.–April)=$\frac{1}{3}$ (7+10+12+16+18+22); (May-Dec.) 13 h for 12 h. **T** derived from these hours.

For notes, *see* page 115.

ZONE 4—(*continued*).

No.	Name of Station.	Authority for Current Data.	Period of Normals.		Remarks.
438*a*	Zurich	Zurich, Ann. Schweiz. Meteor. Zentralanst., 1918.	**P, T,** 1864–1900. **R,** 1864–1913.	e	**P, T**=mean of 24 hrs.
439	Rome	MS. data supplied by R. Uff. Centr. Meteor. e Geodin., Rome.	**P,** 1851–1900. **T,** 1831–1910. **R,** 1826–1910.		**P**=$\frac{1}{8}$ (9+15+21). **T** derived from $\frac{1}{4}$ (9+21+M+*m*).
440	Vienna	Vienna, Monatl. Mitt. der Zentralanst. für Meteor. u. Geodyn., 1918.	**P,** 1851–1900. **T,** 1776–1900. **R,** 1845–1900.	ce	**P, T**=mean of 24 hrs.
440*a*	Buda-Pesth	MS. data supplied by Meteor. es Foldmagn. Intezet, Buda-Pesth.	**P, T, R,** 1871–1920.		**P**=$\frac{1}{8}$ (7+14+21). **T** derived from [illegible] hours.
441	Sofia	Sofia, Bull. Mens. de l'Inst. Météor., 1918.	**P,** (1851–1900). **T, R,** 1892–1922.	e	**P**=$\frac{1}{8}$ (7+14+21). **T**=$\frac{1}{4}$ (7+14+2[illegible]
442	Bucharest	MS. data supplied by Inst. Meteor. Centr., Bucharest.	**P,** (1851–1900). **T,** 1857–1916. **R,** 1864–69; '71–1916.	e	**P**=$\frac{1}{8}$ (8+14+20). **T**=mean of 24
443	Odessa (University)	MS. data supplied by Central Phys. Obs., Petrograd.	**P,** (1851–1900). **T,** 1851–1900. **R,** 69 yrs., 1841–1915.	e	**P**=$\frac{1}{8}$ (7+13+21). **T** derived from [illegible] hours.
444	Kharkov (University)	Do. do.	**P,** (1851–1900). **T,** 36 yrs., **R,** 38 yrs., 1877–1915.	e	Do. do.
444*a*	Novorossiisk	Do. do.	**P,** (1851–1900). **T,** 1872–85; '88–1915. **R,** 1892–1908; '11–13.	e	Do. do.
445	Tiflis	Do. do.	**P, T,** 1851–1900. **R,** 71 yrs., 1844–1915.	e	Do. do.
446	Astrakhan	..	..		..
447	Fort Alexandrovsk	See No. 443.	**P,** (1851–1900). **T,** 55 yrs. **R,** 40 yrs., 1848–1913.	e	**P**=$\frac{1}{8}$ (7+13+21). **T** derived from [illegible] hours.
448	Krasnovodsk	Do.	**P,** (1851–1900). **T,** 34 yrs., 1869–1914. **R,** 25 yrs., 1870–1908.	e	Do. do.
449	Aralskoe More	Do.	**P,** (1871–1908; '10–17). **T,** (31 yrs., 1877–1913).	e	Do. do.
450	Tachkent	Do.	**P,** 1871–1908; '10–17. **T, R,** 1877–86; '92–1908; '11–13.	e	Do. do.
451	Narynskoe	Do.	**T,** 25 yrs., 1885–1913.		Do. do.
452	Vernyi	Do.	**P,** (1871–95).	e	Do. do.
461	Mukden	Tokio, Ann. Rep. Centr. Meteor. Obs., Japan, 1918.	**P, R,** 1906–18. **T,** 1906–19.	ce	**P, T**=$\frac{1}{8}$ (2+6+10+14+18+22).
462	Joshin	Do. do.	**P, R,** 1906–18. **T,** 1906–19.	ce	Do. do.
463	Yuki	Do. do.	..	ce	Do. do.
464	Vladivostok	MS. data supplied by l'Obs. Météor., Vladivostok.	**P,** 1876–1921. **T, R,** 1873–1921.	e	**P**=$\frac{1}{8}$ (7+13+21). **T**=mean of 24
465	Ochiai	See No. 461.	**P, R,** 1908–17. **T,** 1910–22.	ce	**P, T**=$\frac{1}{8}$ (2+6+10+14+18+22).
466	Nemuro	Do.	**P, T, R,** 1886–1920.	e	**P, T**=mean of 24 hrs.
466*a*	Syana	Do.	**P, T, R,** 1902–21.	ce	**P, T**=$\frac{1}{8}$ (2+6+10+14+18+22).

ZONE 5 (Western Half).

Table showing the Authorities for the Meteorology of the Globe between Latitude 40° N. and 30° N.

511	San Francisco	Washington, D.C., U.S. Dept. Agric., Rep. of Chief of Weather Bureau, 1918–19, and Monthly Weather Rev., 1918.	**P,** 1876–1915. **T,** 1873–1905. **R,** 1871–1917.	n	**P** reduced to mean of 24 hrs. **T** derived from $\frac{1}{2}$ (8+20).
512	San Luis Obispo	Do. do.	..		..
513	San Diego	Do. do.	**P,** (1876–1915). **T,** 1895–1905. **R,** 1871–1917.	n	Do. do.
514	Modena	Do. do.	**P,** 1876–1915. **T,** 1873–1905. **R,** 1871–1917.	n	Do. do.
515	Santa Fé	Do. do.	**P,** (1876–1915). **T, R,** 1901–17.	n	Do. do.
516	Denver	Do. do.	**P,** (1876–1915). **T,** 1873–82; '85–1905. **R,** 1871–1917.	n	Do. do.
517	Abilene	Do. do.	**P,** 1876–1915. **T,** 1873–1905. **R,** 1872–1917.	n	Do. do.
518	Saint Louis	Do. do.	**P,** (1876–1915). **T,** 1886–1905. **R,** 1885–1917.	n	Do. do.
519	Mobile	Do. do.	**P,** 1876–1915. **T,** 1873–1905. **R,** 1871–1917.	n	Do. do.
520	Nashville	Do. do.	Do. do.	n	Do. do.
521	Charleston	Do. do.	Do. do.	n	Do. do.
522	Washington	Do. do.	Do. do.	n	Do. do.
523		..	..		..
524	Bermuda	Meteor. Obs. taken at Prospect, Bermuda, 1918.	**P,** 64 yrs., 1852–1922. **T,** 49 yrs. **R,** 55 yrs., 1852–1918.	e	**P**=$\frac{1}{8}$ (9+15). This approximates [illegible] 24 hr. mean. **T**=$\frac{1}{4}$ (9+21+M+
530	Santa Cruz (Flores)	MS. data supplied by Director, Meteor. Service, Azores.	**P,** 1907–22. **T, R,** 1911–22.		**P**=mean of 24 hrs. **T** derived from $\frac{1}{2}$ (M+*m*).
531	Horta	Do. do.	**P, T, R,** 1902–23.		**P, T**=mean of 24 hrs.
532	Ponta Delgada	Do. do.	**P, T,** 1894–1923.		Do.
532*a*	Faja da Cima	Do. do.	**R,** (1894–1923).		..
533	Madeira (Funchal)	Lisbon, Obs. Infante D. Luis, Resumo das observações, 1918.	**P, T, R,** 1864–1918.	e	**P**=$\frac{1}{8}$ (9+15+21). **T**=$\frac{1}{4}$ (9+21+M+
534					
535	Lisbon	Do. do.	**P, T, R,** 1871–1919.	e	**P**=$\frac{1}{8}$ (9+15+21). **T** derived from [illegible] $\frac{1}{4}$(9+21+M+*m*).
536	Gibraltar	MS. data at M.O.	**P, T, R,** 1852–1920.	e	**P**=$\frac{1}{8}$ (7+13+21). **T**=$\frac{1}{4}$ (7+13+2×
536*a*	Melilla	Madrid, Res. Obs. efect. en las Estaciones del Servicio Meteor. Español, 1918.	**P, T, R,** 1908–17.	e	**P**=$\frac{1}{8}$ (8+16). **T** derived from these [illegible] By comparison the pressures ar[illegible] about 2·5 mb. too high. This correc[illegible] has been applied.

For notes *see* page 115.

Between Latitude 40° N. and 30° N. ZONE 5 (Eastern Half).

No.	Name of Station.	Authority for Current Data.	Period of Normals.		Remarks.
537	Palma	Madrid, Res. obs. efect. en las Estaciones del Servicio Meteor. Español, 1918.	**P, R,** 1870–1916. **T,** 1881–1916.	e	**P**=$\frac{1}{8}$ (8+16).
538	Algiers (Bouzaréah)	MS. data supplied by l'Office National Météor., Paris.	**P, T, R,** 1894–1914.		**P, T**=mean of tri-hourly observations.
539	Tunis	Do. do.	**P,** (15 yrs., 1887–1917). **T,** 18 yrs. **R,** 25 yrs., 1887–1914.		**P**=$\frac{1}{8}$ (7+13+19). **T** derived from these hours.
539*a*	Malta	Malta, Meteor. Obs., 1918.	**P,** 1852–1923. **T, R,** 1853–1923.	c	**P**=8h. **T** derived from $\frac{1}{2}$ (M+*m*).
540	Riposto	Riposto, Osservatorio Meteor., Bollettino Mensile, 1918.	**P,** 1898–1922. **T,** 1875–1919. **R,** 1880–1905.		**P**=$\frac{1}{8}$ (9+15+21). **T** derived from these hours.
541	Athens	MS. data supplied by Obs. Meteor. Astr., Athens.	**P,** 1841–1910 (incomplete). **T,** 1858–1914. **R,** 1858–1911.	e	**P, T**=mean of 24 hrs.
542	Alexandria	Cairo, Phys. Dept., Meteor. Rep., 1918.	**P,** 1872–1920. **T,** 1901–20. **R,** 1891–1920.	ce	**P**=$\frac{1}{8}$ (8+14+20). **T** derived from $\frac{1}{4}$(8+14+20+*m*).
543	Cairo (Helwan)	Do. do.	**P,** 1904–20. **T,** 1904–17. **R,** 15 yrs.	ce	**P, T**=mean of 24 hrs.
544	Nicosia (P.W.D.)	MS. data supplied by Physical Dept., Cairo.	**P,** 1907–20. **T, R,** 1888–1914.	a	**P**=$\frac{1}{2}$ (8+15).
544*a*	Beirut	MS. data supplied by the Observatory, American University, Beirut.	**P,** 1876–1910. **T, R,** 1876–1905.	c	**P**=$\frac{1}{8}$ (8$\frac{1}{2}$+14$\frac{1}{2}$+20$\frac{1}{2}$). **T**=$\frac{1}{8}$ (8$\frac{1}{2}$+14$\frac{1}{2}$ +20$\frac{1}{2}$×2×M+3×*m*).
545	Baghdad	Calcutta, India Weather Review, 1918, and MS. data supplied by Indian Meteorological Department, Simla.	**P,** 1896–1910. **T, R,** see current data.	a	**P** (Jan., Feb.) 6$\frac{1}{2}$h., (March to Dec.) 7h. **T** derived from these hours.
546	Busrah	Calcutta, India Weather Review, 1918.	See current data.	a	**P**=8h.
546*a*	Lenkoran	..	..		..
547	Teheran	See No. 546.	See current data.	a	**T** derived from $\frac{1}{2}$ (M+*m*).
548	Meshed	Do.	Do.	a	..
549	Seistan	Do.	..	a	..
550	Quetta	Do.	See current data.	a	**P**=8h. **T** derived from $\frac{1}{2}$ (M+*m*).
551	Peshawar	Do.	Do.	a	Do.
551*a*	Lahore	Do.	Do.	a	**P**=8h. **T** derived from $\frac{1}{2}$ (10+16).
552	Simla	Do.	Do.	a	**P**=8h. **T** derived from $\frac{1}{2}$ (M+*m*).
552*a*	Leh	Do.	Do.	a	Do.
559	Hankow	Tokio, Ann. Rep. Centr. Meteor. Obs., Japan, 1918.	**P, T,** 1906–19. **R,** 1900–19.	ce	**P**=$\frac{1}{8}$ (6+14+22). **T** derived from these hours.
560	Tientsin	Do. do.	**P, T,** 1906–19. **R,** 1904–19.	ce	Do. do.
561	Shanghai (Zi-Ka-Wei)	Zi-Ka-Wei, Revue Mensuelle de l'Observatoire, 1918.	**P,** 1873–1918. **T, R,** 1873–1919.		**P, T**=mean of 24 hrs.
562	Jinsen (Chemulpo)	Jinsen, Ann. Rep. Meteor. Obs., Chosen, 1918.	**P, R,** 1888–1915. **T,** 1888–1922.	e	Do.
562*a*	Nagasaki	Tokio, Ann. Rep. Centr. Meteor. Obs., Japan, 1918.	**P, T, R,** 1886–1920.	e	Do.
563	Kioto	Do. do.	**P, T, R,** 1881–1910.	e	Do.
564	Tokio	Do. do.	**P, T, R,** 1886–1920.	e	Do.
565	Kanayama	Do. do.	**P, T, R,** 1898–1919.	ce	**P, T**=$\frac{1}{8}$ (2+6+10+14+18+22).
566	Miyako	Do. do.	**P, T,** 1886–1910. **R,** 1886–1915.	ce	Do.

Table showing the Authorities for the Meteorology of the Globe between Latitude 30° N. and 20° N. ZONE 6.

605	Honolulu	Washington, D.C., U.S. Dept. Agric., Rep. of Chief of Weather Bureau, 1918–19.	**P,** 1905–21. **T,** 1892–1916. **R,** 1892–1903; '05–17.	e	**P**=$\frac{1}{2}$ (8+20). **T**=$\frac{1}{2}$ (8+20+M+*m*). 157° 30′ W. Meridian time.
614	La Paz	MS. data supplied by Director, Obs. Meteor., Tacubaya.	..		**P**=$\frac{1}{8}$ (7+14+21). March and April see "e."
615	Chihuahua	Do. do.	..		**P**=$\frac{1}{8}$ (7+14+21).
616	Leon	Do. do.	**P,** 1882–1906. **T, R,** 1878–1906.		**P**=$\frac{1}{8}$ (7+14+21). **T** derived from these hours.
616*a*	Monterry	..	..		Do. do.
617	Tulancingo	Do. do.	..		**T**=mean of 24 hrs.
618	Galveston	Mexico, Soc. Cient., "Antonio Alzate," Mem. 40, 1922, p. 485.	**T, R,** 1911–14; '16–21.		
618*a*	New Orleans	Washington, D.C., U.S. Dept. Agric., Rep. of Chief of Weather Bureau, 1918–19, and Monthly Weather Rev., 1918.	**P,** 1876–1915. **T,** 1873–1905. **R,** 1871–1917.	n	**P** reduced to mean of 24 hrs. **T** derived from $\frac{1}{2}$ (8+20).
619	Merida, Yuc.	Do. do.	**P,** 1876–1915. **T,** 1873–1905. **R,** 1871–1917.	n	Do. do.
620	Havana	See No. 614.	..	d	**P**=$\frac{1}{8}$ (7+14+21).
620*a*	Key West	Habana, Obs. Meteor. del Colegio de Belen, 1918.	**P,** 1876–1915. **T,** 1897–1914.. **R,** 1859–1917		**P**=$\frac{1}{16}$(4+6+8+10+12+14+16+18+20 +22). **T**=$\frac{1}{32}$[4+6+8+10+12+14 +16+18+20+22+(4+22)].
621	Nassau, Bahamas	See No. 618.	**P,** 1876–1915. **T,** 1873–1905. **R,** 1871–1917.	n	**P** reduced to mean of 24 hrs. **T** derived from $\frac{1}{2}$ (8+20).
622	Watling Island	MS. data at M.O.	**P,** (1876–1915). **T,** 15 yrs., 1902–19. **R,** 57 yrs., 1852–1919.	c	**P**=$\frac{1}{2}$ (8+15). **T** derived from $\frac{1}{2}$ (M+*m*).
633	Izana	Do.	**P,** (1873–99).	ekl	**P, T**=$\frac{1}{8}$ (2+8+12+16+22).
634	La Laguna	Madrid, Res. Obs. efect. en las Estaciones del Servicio Meteor. Español, 1918.	..		**P**=$\frac{1}{8}$ (7+14+21). **T**=$\frac{1}{4}$ (7+14+2×21).
637	Insalah	Do. do.	**P,** 1911–20. **T,** 29 yrs., 1881–1916. **R,** 38 yrs., 1869–1916.	de	**P**=$\frac{1}{2}$ (8+16).
641		MS. data supplied by l'Office National Météor., Paris.	**T,** 11 yrs., 1903–14.		**T**=$\frac{1}{4}\left(7+13+19+\frac{19+m}{2}\right)$.
642	Siwa	..	..		..

(47185)

For notes *see* page 115.

ZONE 6—(*continued*).

No.	Name of Station.	Authority for Current Data.	Period of Normals.	Remarks.
643	Aswan	Cairo, Phys. Dept., Meteor. Rep., 1918.	**P, T,** 1901–20.	cef **P**=⅛ (8+14+20). **T**=¼ (8+14+20+*m*). Jan.-March interpolated. No rain gauge as rainfall is practically unknown.
644	Tor	Do. do.	**P, T,** 1905–20.	cef **P**=⅛ (8+14+20). **T**=¼ (8+14+20+*m*). No rain gauge, as rainfall is practically unknown.
647	Bushire	Calcutta, India Weather Review, 1918.	See current data.	a **P**=8h. **T** derived from ⅛ (M+*m*).
648	Jask	Do. do.	Do.	a Do. do.
649	Robat	Do. do.	Do.	a **P**=8h.
649*a*	Karachi	Do. do.	Do.	a **P**=8h. **T** derived from ⅛ (M+*m*).
650	Jacobabad	Do. do.	Do.	a Do. do.
651	Jaipur	Do. do.	Do.	a **P**=8h. **T** derived from ⅛ (10+16).
652	Nagpur	Do. do.	Do.	a **P**=8h. **T** derived from ⅛ (M+*m*).
653	Allahabad	Do. do.	Do.	a Do. do.
653*a*	Darjiling	Do. do.	Do.	a Do. do.
654	Calcutta	Do. do.	Do.	a **P**=8h. **T** derived from ⅛ (10+16).
655	Gauhati	Do. do.	Do.	a **P**=8h. **T** derived from ⅛ (M+*m*).
655*m*	Cherrapunji	Do. do.	Do.	ad **P**=8h.
655*a*	Akyab	Do. do.	Do.	a **P**=8h. **T** derived from ⅛ (M+*m*).
656	Mandalay	Do. do.	Do.	a Do. do.
656*a*	Tengyueh	MS. data supplied by the Chinese Maritime Customs.	..	a **P**=⅛ (3+9+15+21). **T**=⅛ (3+9+12+15+21+$\frac{15+21}{2}$+$\frac{21+3}{2}$).
657	Phu Lien	MS. data supplied by l'Office National Météor., Paris.	**P, T,** 10 yrs., 1904–14. **R,** 14 yrs., 1904–18.	e **P, T**=mean of 24 hrs.
658	Moncay	Do. do.	**P, T,** 1904–14. **R,** 1904–18	ce **P**=½ (10+16). **T** derived from these hours.
659	Hong Kong	Hong Kong, Royal Observatory, Monthly Meteor. Bulletin, 1918.	**P, T, R,** 1884–1918.	**P, T**=mean of 24 hrs.
660	Amoy	MS. data at M.O.	..	ce **P**=9h. **T** derived from ⅛ (M+*m*). Max. temp. refers to period 9h. to 18h. min. to 18h. to 9h.
661	Taihoku, Formosa	Tokio, Ann. Rep. Centr. Meteor. Obs., Japan, 1918.	**P,** 15 yrs., 1894–1901 ; '14–22. **T,** 1890–1912. **R,** 1900–10 ; '15 ; '17–20.	e **P, T**=mean of 24 hrs.
661*a*	Santo Domingo	Manila, Philippine Weather Bureau, Monthly Bulletin, 1918.	**P, T, R,** 1897–1918.	**T** derived from ⅛ (M+*m*).
662	Naha	See No. 661.	**T,** 1903–17. **R,** 16 yrs., 1903–19.	e **P, T**=mean of 24 hrs.
665	Titizima (Bonin Is.)	Do.	**P, T, R,** 1891–1920.	ce **P, T**=¼ (2+6+10+14+18+22).
			P, T, R, 1906–20.	

ZONE 7.

Table showing the Authorities for the Meteorology of the Globe between Latitude 20° N. and 10° N.

No.	Name of Station.	Authority for Current Data.	Period of Normals.	Remarks.
715	Colima	MS. data supplied by Director, Obs. Meteor., Tacubaya.	..	**P**=⅓ (7+14+21). **T** derived from ... hours.
716	Morelia	Do. do.	..	Do. do.
717	Mexico, Tacubaya	Do. do.	**P,** unknown. **T, R,** 1900–22.	**P, T**=mean of 24 hrs.
718	Oaxaca	Do. do.	**P, T, R,** 1883–1914 (incomplete).	**P**=⅓ (7+14+21). **T** derived from ... hours.
718*a*	Salina Cruz	Do. do.	..	d **P**=⅓ (7+14+21).
719	San Salvador	San Salvador, Anales del Obs. Meteor., 1917 y 1918.	**P,** 1889–1902 ; '11–19. **T, R,** 1889–1902 ; '11–14.	**P**=⅓ (7+14+21). **T**=¼ (7+14+2... H_b is given as 686m., but comp... with charts shows that H_b is ap... 665m.
720	Belize	MS. data at M.O.	**P,** 1888–1900. **T,** 1895–1905 ; '11–13. **R,** 1888–1917.	den **P**=8 h.
721	Jamaica (Negril Point)	Jamaica Blue Book, 1918.	**P,** (1876–1915). **T,** 1898–1919. **R,** 1895–1909.	c **P, T**=½ (7+15) reduced to mean of 24 hrs.
722	Port au Prince	MS. data supplied by l'Office National Météor., Paris.	**P,** (1876–1915). **T, R,** 1888–1912.	ce **P**=⅛ (7+13+21). **T** derived from ... hours.
723	Caracas	MS. data supplied by Director, Observatorio Cajigal, Caracas.	**P,** 1893–1920. **T,** 1895–1917. **R,** 1891–1917.	**P**=¼ (10+16), 67½ W. Meridian time, ... approximates to the mean of 24 hrs ... ¼ (6+12+18+$\frac{24+0}{2}$). H_b is give... 1042m., but comparison with ... shows that H_b is approx. 1010m.
724	Montserrat	MS. data at M.O.	**P,** (1876–1915).	cde **P**=⅓ (9+15).
724*a*	Grenada (Richmond Hill)	Grenada, Govt. Gazette, 1918.	**P,** (1876–1915). **T, R,** 1887–1918.	e **P**=⅓ (9+18). **T** derived from ⅛ (M+...
725	Barbados	Barbados Blue Book, 1918.	**P,** (1876–1915). **T,** (1887–1918). **R,** 1871–1910.	c **P**=⅓ (9+15). **T** derived from these ... Max. temp. refers to the period 9 h. ... and the min. 15 h.–9 h.
731	St. Vincent, C. Verde Is.	Lisbon, Obs. Infante D. Luis, Resumo das Observacões, 1918.	**P, T, R,** 1884–1919.	e **P**=⅓ (9+15+21). **T**=⅓ (9+21+M+...
732	San Tiago, C. Verde Is.	Do. do.	**P,** 1893–1900 ; '04–19. **T,** 1890–1900 ; '04–19. **R,** 1888–1900 ; '04–19.	e Do. do.
733	Bathurst	Gambia, Blue Book and Govt. Gazette, 1918, and MS. data.	**P,** (1891–1918). **T,** (1875–1919). **R,** 1884–1918.	e **P**=9 h. **T** derived from this hour. refers to Aug.–Dec.
734	M'Carthy Island	Gambia, Govt. Gazette, 1918	**T,** 1908–16. **R,** 1908–17.	..
735	Ségou	..	..	**T** derived from ⅓ (6+15+18).
736	Timbuctoo	MS. data supplied by l'Office National Météor., Paris.	**T,** 12 yrs., 1896–1914.	

For notes *see* page 115.

ZONE 7—(*continued*).

No.	Name of Station.	Authority for Current Data.	Period of Normals.	Remarks.
737	Sokoto	MS. data at M.O.	**T,** 12 yrs., 1907–19. **R,** 1904–18.	o **T** derived from ⅛ (M+*m*).
738	Kaduna Capital	Do.	**P,** (1891–1920). **T,** (1907–23). **R,** (10–11 yrs., 1914–24).	eo **P**=9 h. **T** derived from ⅛ (M+*m*).
739	Hadeija	Do.	**T,** 10 yrs., 1907–19. **R,** 1904–18.	o **T** derived from ⅛ (M+*m*). Station moved to Hadeija on May 16th.
740	Maiduguri	Do.	**T,** 13 yrs., 1906–19. **R,** 1904–18.	o **T** derived from ⅛ (M+*m*).
741	El Fasher	Cairo, Phys. Dept., Meteor. Rep., 1918.	..	..
743	El Obeid	Do. do.	**P, T,** 1901–20. **R,** 1902–20.	ceg **P**=⅛ (8+14+20). **T**=¼ (8+14+20+*m*).
743*a*	Khartoum	Do. do.	**P, T,** 1900–20. **R,** 1899–1920.	ce **P**=⅛ (8+14+20). **T** derived from ¼ (8+14+20+*m*).
744	Port Sudan	Do. do.	**P, T,** 1905–20. **R,** 1906–20.	ceg **P**=⅛ (8+14+20). **T**=¼ (8+14+20+*m*).
745	Berbera, Somaliland	MS. data at M.O.	**P,** 1908–20. **T,** 1908–20. **R,** 1906–20.	ce **P**=⅛ (8+20). **T**=¼ (8+20+M+*m*).
746	Aden	Calcutta, India Weather Review, 1918.	See current data.	a **P**=8 h. **T** derived from ⅛ (M+*m*).
751	Bombay	Do. do.	Do.	a **P**=8 h. **T** derived from ⅛ (10+16).
751*a*	Cochin	Do. do.	Do.	a **P**=8 h. **T** derived from ⅛ (M+*m*).
752	Kodaikanal	Do. do.	Do.	a **P**=8 h. **T** derived from ⅛ (10+16).
742*a*	Bangalore	Do. do.	Do.	a Do. do.
753	Madras	Do. do.	Do.	a Do. do.
754	Vizagapatam	Do. do.	Do.	a **P**=8 h. **T** derived from ⅛ (M+*m*).
755	Port Blair	Do. do.	Do.	a Do. do.
756	Rangoon	Do. do.	Do.	a Do. do.
757	Saigon	MS. data supplied by l'Office National Météor., Paris.	**P,** 1904–15. **T,** 24 yrs., 1873–80 ; '96–1915. **R,** 27 yrs., 1874–79 ; '96–1918.	cde **P**=½ (10+16).
758	Nhatrang	Do. do.	**P, T,** 1903–14. **R,** 1903–18.	cde **P**=½ (10+16).
759	Bolinao	Manila, Weather Bureau, Ann. Rep., Part III, and Bulletin, 1918.	**P,** 14 yrs., 1902–19. **T,** 11 yrs., 1902–16. **R,** 25 yrs., 1886–97 ; 1902–17.	c **P**=½ (6+14). **T** derived from these hours.
761	Vigan	Manila, Weather Bureau, Ann. Rep., Part III, 1918.	**P, T,** 15 yrs., 1902–18. **R,** 22 yrs., 1887–96 ; 1902–17.	c **P, T**=⅙ (2+6+10+14+18+22).
761*a*	Manila	Manila, Weather Bureau, Ann. Rep., Part II, 1918.	**P, T,** 1885–1919. **R,** 1865–1919.	**P, T**=mean of 24 hrs.
762	Ormoc	See No. 759.	**P, T,** 1902–05 ; '07–17. **R,** 1902–18.	c **P**=½ (6+14). **T** derived from these hours.
765	Guam, Ladrone Is.	Do. do.	**P,** 1907–18. **T,** 1906–18. **R,** 1906–20.	c **P**=½ (6+14). **T** derived from these hours.

Table showing the Authorities for the Meteorology of the Globe between Latitude 10° N. and 0°.

ZONE 8.

No.	Name of Station.	Authority for Current Data.	Period of Normals.	Remarks.
805	Fanning Island	MS. data at M.O. and supplied by the Chief of the Weather Bureau, Washington.	**T,** 12 yrs., 1904–18. **R,** 1903–18.	d ..
821	Colon	Balboa Heights, Panama Canal, Section of Meteor. and Hydrogr., Monthly Meteor. Rep., 1918.	**P, T,** 19 yrs., 1881–88 ; 1907–19. **R,** 1871–1918.	d **P,** reduced to mean of 24 hrs.
822	Bogota	MS. data supplied by the Bogota Observatory.	**R,** 1894–1915.	..
822*a*	Merida, Venez.	MS. data supplied by Director, Observatorio, Cajigal, Caracas.	..	**P**=½ (10+16). Pressure appears too high by about 6mb. **T** derived from ½ (M+*m*).
824	El Peru, Guayanavieja	MS. data at M.O.	**P, T, R,** 11 yrs., 1910–22.	e **P, T**=7½ h. approx.
825	Georgetown, Brit. Guiana	British Guiana Blue Book, 1918.	**P,** 1894–1921. **T,** 1894–1916. **R,** 1846–56 ; '64–1917.	**P**=⅛ (7+13+18). **T** derived from these hours.
826	Paramaribo	MS. data supplied by K. Ned. Meteor. Inst.	**T,** 34 yrs., 1864–1915. **R,** 1871–1910.	a **T** derived from ⅛ (8+14+18). From Jan.–April the min. seems low.
826*a*	Cayenne	MS. data supplied by l'Office National Météor., Paris.	**T,** 1890–1912. **R,** 1859–99 ; 1903–12.	a **T** derived from ½ (9+15).
833	Conakry	..	..	..
834	Freetown, Sierra Leone	MS. data at M.O.	**P,** 1891–1919. **T,** 1875–1919. **R,** 1847–51 ; '75–1919.	e **P** = ½ (9+17). **T** (Jan. – Nov.) = ¼ (17h.+M+2*m*). **T** (Dec. and Year) = ½ (9+17).
835	Cape Coast Castle	MS. data supplied by Medical and Sanitary Services, Accra.	**R,** 1896–1912.	..
836	Accra	Do. do.	**T,** (Jan., Feb., April–Aug.) 1888–1910. **T** (Mar., Sept.–Dec., Year), 29 yrs., 1888–1920. **R,** 1888–1913.	d **T** (Mar., Sept.–Dec., Year) = ½ (9+17).
837	Lagos	Nigeria Blue Book, 1918.	**P,** 1891–1915. **T,** 1886–1900 ; '06–15. **R,** 1886–1919.	de **P**=9 h.
838	Zungeru	MS. data at M.O.	**T,** 1905–19. **R,** 1903–19.	**T** derived from ½ (M+*m*).
838*a*	Libreville	..	..	..
839	Yola	MS. data at M.O.	**T,** 15 yrs., 1904–19. **R,** 1904–18.	**T** derived from ½ (M+*m*).
841	Wau	Cairo, Phys. Dept., Meteor. Rep., 1918.	**P, T,** 1902–20. **R,** 1904–20.	eg **P**=⅛ (8+14+20). **T**=¼ (8+14+20+*m*).
843	Malakal (Kodok)	Do. do.	**P,** 10½ yrs. **R,** 10 yrs.	eg **P**=⅛ (8+14+20). **T**=¼ (8+14+20+*m*).
843*a*	Mongalla	Do. do.	**P, T, R,** 1903–20.	eg **P**=⅛ (8+14+20). **T** (Jan.–Sept., Nov., Dec.)=¼ (8+14+20+*m*). **T** (Oct. and Year)=⅛ (8+20).
844	Entebbe	MS. data at M.O.	**P,** 20 yrs., 1902–22. **T,** 1901–18. **R,** 24 yrs., 1906–20.	**P**=⅛ (7+14+21). **T** derived from ¼ (7+14+2×21).

For notes *see* page 115.

ZONE 8—(*continued*).

No.	Name of Station.	Authority for Current Data.	Period of Normals.		Remarks.
845	Harrar	See No. 841.	**T,** 1909–18. **R,** 1902–04 ; '08–18.	e	**P**=8 h. ..
851	Minicoy	Calcutta, India Weather Review, 1918.	See current data.	e	**P**=½ (9½+15½). 𝕋 derived from ½ (M+*m*).
852	Colombo Observatory	Ceylon, Govt. Gazette, Suppl., 1918.	**P, T,** 1852–1916. **R,** 63 yrs., 1852–1917.	e	Do. do.
853	Nuwara Eliya	Do. do.	**T,** 1875–1916. **R,** 1869–1916.	e	Do. do.
854	Trincomalee	Do. do.	**P,** 1871–1916. **T,** 1872–1916. **R,** 1870–1916.		**P** reduced to mean of 24 hrs.
855	Kota Radja	Batavia, Obs. at II Stations in Netherlands East India, vol. viii, and Regenw. in do., 1918.	**P,** (1866–1911). **R,** 1879–1915.		**P** reduced to mean of 24 hrs. 𝕋=mean of 24 hrs.
856	Medan	Do. do.	Do. do.	ade	**P**=⅓ (9+15+21).
857	Penang	Straits Settlements, Meteor. Returns, 1918.	**P,** 1882–1916. **T,** 1882–1920. **R,** 1883–1916.	de	Do.
858	Singapore	Do. do.	**P,** 1898–1916. **T,** 1898–1920. **R,** 1869–1920.	d	..
859	Sandakan	British North Borneo Herald, 1918.	**T, R,** 1879–95 ; 1905–20.		**P**=½ (6+14). 𝕋 derived from these hours.
860	Iwahig	Manila, Weather Bureau, Ann. Rep., Part III, and Bulletin, 1918.	**P,** (1903–05 ; '08 ; '11–18).		**P, 𝕋**=⅙ (2+6+10+14+18+22).
861	Tagbilaran	Manila, Weather Bureau, Ann. Rep., Part III, 1918.	**P,** 15 yrs., 1902–18. 𝕋, **R,** 15 yrs., 1903–18.		**P** reduced to mean of 24 hrs.
861*a*	Menado	See No. 855.	**P,** 1905–07 ; '09–16. **R,** 1879–1915.		**P, 𝕋**=⅙ (2+6+10+14+18+22).
862	Surigao	See No. 861.	**P,** 15 yrs., 1902–18. 𝕋, 14 yrs., 1902–18. **R,** 1902–17.		**P**=½ (6+14). 𝕋 derived from these hours.
863	Yap	See No. 860.	**P,** 1907–08 ; '10–20. 𝕋, 1906–08 ; '10–20. **R,** 15 yrs., 1905–20.		

Table showing the Authorities for the Meteorology of the Globe between Latitude 0° and 10° S.

ZONE 9

No.	Name of Station.	Authority for Current Data.	Period of Normals.		Remarks.
905	Malden Island	MS. data at M.O.	**P, T** (Jan.–Sept.), 𝕋 (Oct.–Dec., Year), 24 yrs., 1890–1918. **R,** 28 yrs., 1890–1918.		**P**=9h. 𝕋 (Jan.–Sept.) derived from ⅛ (M+*m*). 𝕋 (Oct.–Dec., Year) derived from 9h.
924	Manaos	MS. data supplied by Directoria de Meteorologia, Rio de Janeiro.	𝕋, 1911–19. **R,** 1901–19.	h	𝕋=¼ (7+21+M+*m*).
926	Taperinha	Do. do.	..		**P**=⅛ (7+14+21). 𝕋=¼ (7+14+2×21).
927	Turyassu	Do. do.	**P, 𝕋, R,** 1912–19.		Do. do.
928	Barra do Corda	Do. do.	Do. do.		Do. do.
929	Quixeramobim	Do. do.	**P, 𝕋, R,** 1896–1919.		**P**=⅛ (7+14+21). 𝕋 derived from ¼ (7+14+2×21).
930	Fernando Noronha	Do. do.	**P, R,** 1911–19.		**P**=⅛ (7+14+21). 𝕋=¼ (7+14+2×21).
939	Loanda	Loanda, Resumo das Observações meteor., Boletim Oficial, 1918.	**P, 𝕋,** 1879–97 ; 1900–09. **R,** 1879–97 ; 1900–13.		**P, 𝕋**=mean of 24 hrs.
940	Brazzaville	MS. data supplied by l'Office National Météor., Paris.	**P, T,** 10 yrs., 1898 ; 1906–15. **R,** 1898 ; 1906–10 ; '12–15.	de	**P**=½ (8+16), G.M.T.
943	Masaka	MS. data at M.O.	𝕋, 14 yrs., 1903–22. **R,** 1902–20.		𝕋=¼ (7+14+2×21).
944	Nairobi	Nairobi, Dept. Agric., Meteor. Records, 1914–19.	**T** (April-Dec.). 𝕋 (Jan.-March, Year), 1904–20. **R,** 1904–16.	bd	𝕋 (Jan.–Mar., Year)=9h.
944*a*	Zanzibar	Calcutta, India Weather Review, 1918.	See current data.	a	**P**=8h. 𝕋 derived from this hour.
945	Lamu	See No. 944.	**T,** 1911–20. **R,** 20 yrs., 1894–99 ; 1906–20.	bd	..
947	Seychelles, Port Office	See No. 944*a*.	**P, 𝕋,** see current data. **R,** 1891–1916.		**P, 𝕋**=¼ (10+16) reduced to mean of 24 hrs.
957	Padang	Batavia, Obs. at II Stations in Netherlands East India, vol. viii, and Regenw. in do., 1918.	**P,** (1866–1911). **R,** 1879–1915.		**P,** reduced to mean of 24 hrs. 𝕋=mean of 24 hrs.
958	Batavia	Batavia, Obs. R. Magn. and Meteor. Obs., 1918, and Regenw. in Netherlands East India, 1918.	**P, 𝕋, R,** 1866–1915.	e	**P, 𝕋**=mean of 24 hrs.
958*a*	Pontianak	See No. 957.	**P,** (1866–1915). **R,** 1879–1915.		**P,** reduced to mean of 24 hrs. 𝕋=mean of 24 hrs.
959	Passeroean	Do.	**P,** (1866–1915). 𝕋, 1901–17. **R,** 1879–1915.		Do. do.
960	Kajoemas	Do.	**R,** 1888–1915.		𝕋=mean of 24 hrs.
962	Ambon	Do.	**P,** (1866–1911). 𝕋, 1850–81. **R,** 1879–1915.		**P,** reduced to mean of 24 hrs. 𝕋=mean of 24 hrs.
963	Manokwari	Do.	**P,** (1866–1915). **R,** 1901–15.		Do. do.
965	Daru	Port Moresby, Papua Govt. Gazette, 1917–18.	**P,** 18 yrs., 1894–95 ; 1903–22. 𝕋, 19 yrs., 1894–95 ; 1903–24. **R,** 22 yrs., 1894–1919.		**P, 𝕋**=9h.
966	Port Moresby	Do. do.	**P,** 24 yrs., 1891–95 ; 1902–22. **T,** 20 yrs. **R,** 24 yrs., 1891–1916.	d	**P**=9h.
967					
968	Rendova	MS. data supplied by the Meteor. Bureau, Melbourne.	**P,** (1907–19). **R,** 1907–18.		**P**=9h.
969	Tulagi, Brit Solomon Is.	MS. data at M.O.	**P,** 1907–19. **T,** 1907–17. **R,** 1898–1917.	e	**P**=9h. 𝕋 derived from ⅛ (M+*m*).
970	Ocean Island	Do.	**P,** 1905–20. **T, R,** 1905–16.	e	**P**=½ (9+21). 𝕋 derived from ⅛ (M+*m*).

For Notes *see* page 115.

Table showing the Authorities for the Meteorology of the Globe between Latitude 10° S. and 20° S.

ZONE 10.

No.	Name of Station.	Authority for Current Data.	Period of Normals.		Remarks.
1002	Apia, Samoa	MS. data supplied by the Meteor. Office, Wellington, N.Z.	**P, 𝕋,** 1890–1919. **R,** 1890–1923.		**P, 𝕋**=mean of 24 hrs. 170th Meridian time.
1003	Alofi, Niue Island	Do. do.	**R,** 1905–15.	a	𝕋 derived from ½ (M+*m*).
1007	Makatea	MS. data supplied by l'Office National Météor., Paris.	**T,** 12 yrs., **R,** 9 yrs., 1892–1904.	cde	**P**=⅛ (6+12+18).
1021	Arequipa	MS. data supplied by Professor Pickering, Harvard College.	**P,** 1892–95 ; 1910–16. **T,** 31 yrs., 1888–1920. **R,** 13 yrs., 1888–95 ; 1910–16.		**P**=½ (10+22). 𝕋 derived from these hours.
1022	Puerto de Arica	Santiago, Publ. Inst. Meteor. de Chile, No. 30, Anuario, 1918.	𝕋, 1900–08 ; '11–18. **R,** 1903–18.		𝕋 derived from ¼ (7+14+2×21).
1023					
1024	Sucre, Bolivia	Sucre, Boletin Mensual del Obs. Meteor., 1918.	**R,** 1883–1904 ; '10–19.		**P**=⅛ (7+14+21). 𝕋 (Jan.)=¼(7+14+21), (Feb.–Dec.)=¼ (7+14+2×21).
1025	Corumba	MS. data supplied by Directoria de Meteorologia, Rio de Janeiro.	𝕋, **R,** 1912–19.	h	**P**=½ (7+21). 𝕋=¼ (7+21+M+*m*).
1026	Cuyaba	Do. do.	**P, 𝕋, R,** 1901–19.		**P**=⅛ (7+14+21). 𝕋=¼ (7+14+2×21).
1027	Bello Horizonte	Bello Horizonte, Serviço de Meteor., Dados Meteor., 1918.	**P,** 1910–19. 𝕋, **R,** 1910–21.	e	**P**=⅛ (7+14+21). 𝕋=¼ (7+14+2×21).
1028	Caetite	See No. 1025.	**P, 𝕋, R,** 1909–19.		**P**=⅛ (7+14+21). 𝕋=¼ (7+14+2×21).
1029	Ondina (Bahia)	Do.	**P,** 24 yrs., 1881–1919. 𝕋, 1909–19. **R,** 26 yrs., 1880–1919.		**P**=⅛ (7+14+21). 𝕋=¼ (7+14+2×21).
1030	Aracaju	..	..		..
1035	St. Helena	MS. data at M.O.	**P,** 1892–1921. **T,** 1892–1922. **R,** 1892–1915.		**P**=9h. 𝕋 derived from ⅛ (9+M+*m*).
1042	Gwelo	Salisbury, Rep. on Meteor., 1914–19 and MS. data.	**P, T, R,** 1907–21.	c	**P**=9h. 𝕋 (Feb., March, Sept., Year)=9 h.
1043	Salisbury, Rhodesia	Do. do.	**P, T, R,** 1903–21.	c	**P**=9h.
1044	Zomba	Nyasaland Govt. Gazette, 1918.	**P,** 1899–1920. **T, R,** 1892–1920.	e	**P**=⅛ (9+21). 𝕋 derived from these hours. Height corrected from mean pressure.
1045	Tananarive	MS. data supplied by l'Office National Météor., Paris.	**P, 𝕋, R,** 1889–1923.	c	**P**=⅛ (7+13+18). 𝕋 derived from these hours.
1046	Sainte-Marie	..	..		..
1053	Cocos, Keeling Is.	MS. data supplied by the Meteor. Bureau, Melbourne.	**P, T,** 1905–20. **R,** 1904–20.		**P**=½ (9+15).
1056					
1057	Christmas Island	Edinburgh, J. Scot. Meteor. Soc., 18, 1918.	**P, T,** 1902–15. **R,** 1902–18.	e	**P**=½ (9+21). 𝕋=¼ (9+21+M+*m*).
1061	Koepang	Batavia, Obs. at II stations in Netherlands East India, vol. vii, and Regenw in do., 1918.	**P,** (1866–1911). **R,** 1879–1915.		**P** reduced to mean of 24 hrs. 𝕋=mean of 24 hrs.
1061*a*	Derby	See No. 1055.	**P, T,** 1897–1919. **R,** 1886–1919.		**P**=⅛ (9+15).
1062	Hall's Creek	Do.	**P,** 1901–19. **T,** 1899–1919. **R,** 1891–1919.		**P**=⅛ (9+15). 𝕋 derived from ½ (M+*m*).
1063	Darwin	Do.	**P, T,** 1882–1921. **R,** 1870–1921.		Do. do.
1064	Daly Waters	Do.	**P,** 1881–1919. **T,** 1886–1918. **R,** 1873–1919.		Do. do.
1065	Mein	Do.	**P,** 1906–19. **T,** 1907–19. **R,** 1888–1919.		**P**=½ (9+15).
1066	Georgetown	Do.	**P,** 1910–19. **T,** 1907–19. **R,** 1872–1919.		Do.
1067	Samarai	Port Moresby, Papua Govt. Gazette, 1918.	**P,** 13 yrs., 1904–22. **T,** 1904–15. **R,** 1891–92 ; '94–1915.		**P**=9h. 𝕋 derived from ½ (M+*m*).
1072	Suva, Fiji	MS. data at M.O. and Meteor. Obs. taken at Suva, 1918.	**P,** 1886–1916. **T, R,** 1886–1918.	c	Do. do.

Table showing the Authorities for the Meteorology of the Globe between Latitude 20° S. and 30° S.

ZONE 11.

No.	Name of Station.	Authority for Current Data.	Period of Normals.		Remarks.
1105	Raratonga (Avarua)	MS. data supplied by the Meteor. Office, Wellington, N.Z.	**R,** 1899–1915.		..
1121	Punta Tortuga, Coquimbo	Santiago, Publ. Inst. Meteor. de Chile, No. 30, Anuario, 1918.	**P,** 20 yrs., 1870–1913. 𝕋, 1899–1908 ; '10–17. **R,** 1900–15.	e	**P** =⅛ (7+14+21). 𝕋 derived from ¼ (7+14+2×21).
1122	Iquique	Do. do.	**P, 𝕋,** 17 yrs., 1886 ; '99–1917. **R,** 19 yrs., 1886 ; '99–1918.	e	Do. do.
1123	Catamarca	Buenos Ayres, Oficina Meteor. Nacion., Bol. Mens., 1918.	**P,** 1881–88 ; 1916–20. 𝕋, 1881–88 ; 1904–13 ; 16–19. **R,** 1881–1900 ; '03–14 ; '16–19.		**P, 𝕋**=mean of 24 hrs.
1124	Salta	Do. do.	**P,** 1882–1907 ; '16–20. 𝕋, 1882–1913 ; '16–19. **R,** 1873–1913 ; '16–19.		Do.
1125	Goya	Do. do.	**P,** 1876–1900 ; '14 ; '16–19. 𝕋, **R,** 1877–1914 ; '16–19.		Do.
1126	Asuncion	MS. data supplied by Director, Oficina Meteor., Argentina.	**P,** unknown. 𝕋, **R,** 20 yrs.	e	**P, 𝕋**=mean of 24 hrs. A correction of +3·7mb. has been applied to the pressure values.
1127					
1128					
1139	Rio de Janeiro	MS. data supplied by Directorio de Meteorologia, Rio de Janeiro.	**P,** 1856–1920. 𝕋, 1871–1920. **R,** 1851–1920.		**P, 𝕋**=mean of 24 hrs.
1140	Windhoek	MS. data supplied by Chief Meteorologist, Pretoria.	**T,** 13 yrs., 1901–05 ; '11–21. **R,** 23 yrs.		𝕋 derived from ½ (M+*m*).
1141					
1142	Kimberley	MS. data supplied by Dr. J. R. Sutton.	**P, 𝕋,** 1897–1911. **R,** 40 yrs.	c	**P**=⅛ (8+14+20). 𝕋=mean of 24 hrs.
1142*a*	Johannesburg	See No. 1139.	**P,** 15–16 yrs., 1904–20. **T,** 1904–19. **R,** 1888–1913.	c	**P**=8½h. 𝕋 derived from ⅛ (M+*m*).
1143	Pretoria (Brooklyn)	Do.	**P, T,** 1903–17.	c	Do. do.
1144	Durban	Do.	**P,** 1884–1910. **T,** 1873–83 ; '85–1910 ; '12–21. **R,** 1873–1913.	ce	Do. do.
1145					
1146	Lorenzo Marques	Lourenço Marques, Relatorio do Observatorio Campos Rodrigues, 1918.	**P,** 13 yrs. 𝕋, **R,** 20 yrs.		**P, 𝕋**=mean of 24 hrs.
1147	Mauritius	Mauritius, Results of Meteor. obs. during 1918 at Royal Alfred Observatory.	**P, 𝕋, R,** 1861–1919.	e	Do.

For notes *see* page 115.

ZONE 11—(*continued*).

No.	Name of Station.	Authority for Current Data.	Period of Normals.		Remarks.
1159	Onslow	MS. data supplied by the Meteor. Bureau, Melbourne.	**P, T,** 1897–1919. **R,** 1886–1919.		**P**=½ (9+15).
1160	Peak Hill	Do. do.	**P, T,** 1899–1919. **R,** 1898–1919.		Do.
1161	Nullagine	Do. do.	**P,** 1900–19. **T,** 1899–1919. **R,** 1898–1919.		Do.
1162	Laverton	Do. do.	**P, T,** 1901–19. **R,** 1900–19.		**P**=½ (9+15). **T** derived from ½ (M+
1163	Alice Springs	Do. do.	**P,** 1883–1918. **T,** 1879–1921. **R,** 1874–1921.		Do. do.
1164	William Creek	Do. do.	**P,** 1889–1919. **T,** 1889–1918. **R,** 1874–1919.		Do. do.
1164*a*	Boulia	Do. do.	**P,** 1900–19. **T,** 1898–1919. **R,** 1887–1919.		Do. do.
1165	Thargomindah	Do. do.	**R,** 1880–1912.		Do. do.
1166	Mitchell	Do. do.	**T,** 1907–19. **R,** 1884–1919.		**P**=½ (9+15).
1167	Rockhampton	Do. do.	**P,** 1889–1919. **T,** 1898–1919. **R,** 1887–1919.		Do.
1168	Brisbane	Do. do.	**P, T,** 1887–1922. **R,** 1852–1922.		**P** (Jan.-June)=½ (9+15), (July-D mean of 24 hrs. **T**=¼ (9+15+2
1169	Ouitchambo	..	..		..
1170	Norfolk Island	See No. 1159.	**P,** 1908–22. **T,** 1879; 1881–Feb. '84; 1915–22. **R,** 1887–1912; '15–22.		**P**=9h.

ZONE 12 — Between Latitude 30° S. and 40°

1221	Juan Fernandez	Santiago, Publ. Inst. Meteor. de Chile, No. 30, Anuario, 1918.	**T,** 17 yrs. **R,** 16 yrs., 1901–18.		**T** derived from ¼ (7+14+2×21).
1221*a*	Punta Tumbes	Do. do.	**P, T, R,** 1901–17.	e	**P**=½ (7+14+21). **T** derived ¼ (7+14+2×21). A correctio +3·6 mb. has been applied to pressure values.
1222	Punta Angeles, Valparaiso	Do. do.	**P, R,** 1869–1918 (incomplete). **T,** 1899–1908; '11–18.	e	**P**=½ (7+14+21). **T** derived ¼ (7+14+2×21).
1222*a*	Santiago	Do. do.	**P,** 1861–1908; '10–16. **T,** 1861–1914. **R,** 1867–1915.	e	Do. do.
1223	Cordoba	Cordoba, Oficina Meteor. Nacion., Sinopsis del Tiempo, 1922–23.	**P,** 1872–1922. **T, R,** 1873–1922.	e	**P, T**=mean of 24 hrs.
1224	Bahia Blanca	Buenos Ayres, Oficina Meteor. Nacion., Bol. Mens., 1918.	**P,** 1875–1900; '10–14; '16–19. **T, R,** 1860–83; '96–1914; '16–19.		Do.
1225	Buenos Ayres (Chacarita)	Do. do.	**P,** 1858–1914; '16–19. **T, R,** 1861–1914; '16–19.		Do.
1226	Montevideo (Prado)	Montevideo, Inst. Nacion. Fis.-Climat., Bol. Mens., 1918.	**P, T, R,** 1901–20.	e	Do.
1226*a*	Porto Alegre	Porto Alegre, Inst. Astr. e Meteor., Bol. Annual, 1918.	**P, T, R,** 10 yrs., 1910–22.	e	Do.
1239	Cape Town	Symons's Meteor. Mag., London, 1918, 1919, and MS. data supplied by Royal Observatory, Cape Town.	**P, T, R,** 1884–1920.	c	**P**=½ (8½+12.46+20½). **T** derived ½ (M+*m*).
1240	Danger Point	MS. data supplied by Chief Meteorologist, Pretoria.	..	ce	**P**=8½ h.
1241	Riversdale	Do. do.	..	c	Do.
1242	East London	Do. do.	..	ce	Do.
1259	Perth (Observatory)	MS. data supplied by the Meteor. Bureau, Melbourne.	**P,** 1870–1904. **T,** 1881–1906. **R,** 26 yrs. **P,** 1885–1921. **T,** 1897–1921. **R,** 1876–1921.		**P**=½ (9+15). **T** derived from ½ (M+
1260	Katanning	Do. do.	**P, T,** 1897–1919. **R,** 1892–1919.		**P**=½ (9+15).
1261	Coolgardie	Do. do.	**P, T,** 1897–1919. **R,** 1893–1919.		**P**=½ (9+15). **T** derived from ½ (M+
1262	Eucla	Do. do.	**P,** 1879–1918. **T,** 1878–1919. **R,** 1876–1919.		Do. do.
1263	Streaky Bay	Do. do.	**P,** 1890–1919. **T,** 1891–1919. **R,** 1878–1919.		Do. do.
1264	Adelaide	Do. do.	**P, T,** 1857–1918. **R,** 1839–1919.		**P** (Stat. Lev.)=mean of 24 hrs. **P** (M ½ (9+15). **T** derived from ½ (M+
1265	Melbourne	Do. do.	**P,** 1858–1919. **T, R,** 1856–1919.		**P**=mean of 24 hrs. **T** derived ½ (M+*m*).
1266	Bourke	Do. do.	**P,** 1877–1918. **T,** 1874–1918. **R,** 1873–1919.		**P**=½ (9+15).
1267	Sydney	Do. do.	**P, T, R,** 1859–1922.		**P**=mean of 24 hrs. **T**=¼ (9+15+2
1268	Lord Howe Island	Do. do.	**P, T,** 10 yrs. **R,** 1899–1919.		**P**=9 h.
1271	Auckland	New Zealand, Official Year Book, 1919, and MS. data supplied by Meteor. Office, Wellington, N.Z.	**T,** 56 yrs. **R,** 68 yrs.	a	**P**=9 h.
1272	Napier	Do. do.	**P,** 1867–80; 1905–15. **T,** 29 yrs. **R,** 16 yrs.	a	Do.

ZONE 13. — Table showing the Authorities for the Meteorology of the Globe between Latitude 40° S. and 50°

1301	Chatham Island	MS. data supplied by Meteor. Office, Wellington, N.Z.	**R,** 1879–81; '94–1914.		..
1321	Isla Huafo	Santiago, Publ. Inst. Meteor. de Chile, No. 30, Anuario, 1918.	**P, T, R,** 1908–17.	e	**P**=½ (7+14+21). **T** derived ¼ (7+14+2×21).
1322	Punta Galera	Do. do.	**P,** 1899–1908; '09–18. **T, R,** 1899–1918.	e	Do. do.
1323	Sarmiento	Buenos Ayres, Oficina Meteor. Nacion., Bol. Mens., 1918.	**T,** 1903–07; '16–19. **R,** 1904–07; '16–19.		**P, T**=mean of 24 hrs.
1324	Puerto Madryn	Do. do.	**T, R,** 1903–13; '16–19.		Do.
1365	Launceston	MS. data supplied by the Meteor. Bureau, Melbourne.	**P,** 1905–18. **T,** 1891–1918. **R,** 1886–1919.		**P**=½ (9+15). **T** derived from ½ (M+
1366	Hobart	Do. do.	**P,** 1885–1919. **T,** 1871–1919. **R,** 1841–79; '82–1919.		Do. do.
1370	Invercargill	New Zealand, Official Year Book, 1919, and MS. data supplied by Meteor. Office, Wellington, N.Z.	**T,** 11 yrs. **R,** 27 yrs.	a	..
1371	Dunedin	Do. do.	**P,** 1865–1915. **T,** 55 yrs. **R,** 62 yrs.	a	**P**=9 h.
1371*a*	Christchurch	Do. do.	**P,** 1865–1915. **T,** 1872–1917. **R,** 1865–1917.	a	Do.
1372	Wellington	New Zealand Govt. Gazette, 1918–19.	**P,** 1865–1917. **T,** 56 yrs. **R,** 59 yrs.		Do.

For notes *see* page 115.

Between Latitude 50° S. and 60° S. — ZONE 14.

No.	Name of Station.	Authority for Current Data.	Period of Normals.		Remarks.
1421	Islota de los Evangelistas	Santiago, Publ. Inst. Meteor. de Chile, No. 30, Anuario, 1918.	**P,** 1899–1908; '10–18. **T, R,** 1899–1918.	e	**P**=⅛ (7+14+21). **T** derived from ¼ (7+14+2×21).
1422	Puerto de Punta Arenas	Do. do.	**P,** (1889–1918). **T, R,** (1888–1918).	e	**P**=⅛ (7+14+21). **T** derived from ¼ (7+14+2×21).
1423	Punta Dungeness	Do. do.	**P,** 1900–08; '10–18. **T,** 1900–18. **R,** 1903–18.	e	Do. do.
1424	Santa Cruz	Buenos Ayres, Oficina Meteor. Nacion., Bol. Mens., 1918.	**P,** 1903–07; '16–19. **T, R,** 1905–13; '16–19.		**P, T**=mean of 24 hrs.
1424*a*	Año Nuevo	MS. data supplied by Ministerio de Marina, Buenos Ayres.	**P,** (1889–1918). **T,** (1888–1918).	e	Do.
1425	Stanley, Falkland Is.	MS. data supplied by the Governor, Falkland Islands.	**R,** 1875–77; '81–83; '91; 1904–14.		..
1426	Cape Pembroke	MS. data at M.O.	**P,** 1895–1915. **T,** 10 yrs., 1905–15.		**P, T**=⅛ (4+8+12+16+20+24). No rain-gauge.
1429	S. Georgia (Cumberland Bay)	MS. data at M.O.	**P, R,** 1906–18. **T,** 1905–18.		**P**=⅛(8+14+20). **T** derived from these hours.

Between Latitude 60° S. and 70° S. — ZONE 15.

1527	South Orkneys	MS. data supplied by Oficina Meteor. Nacion., Buenos Ayres.	**P, T,** 1903–23. **R,** 17–18 yrs., 1904–23.	e	**P, T**=mean of 24 hrs.

For notes *see* page 115.

NOTES.

a. Maximum thermometer read at hour of morning observation and entered to day of reading.

b. Maximum and minimum temperatures from whole degrees Fahrenheit.

c. International Zone Time.

d. **T** derived from table on page 116.

e. M.S.L. reduction applied in M.O.

f. At Cairo, means obtained by this formula are 0·7a too low.

g. At Khartoum, means obtained by this formula are 1·0a too low.

h. At Quixeramobim, means obtained by this formula are 0·6a too low.

k. Absolute maximum taken from observations at fixed hours.

l. Absolute minimum taken from observations at fixed hours.

n. 75th W. meridian time.

o. 7½ E. meridian time.

The statement that **T** is derived from a certain combination means that a correction has been applied to the values given by this combination to obtain the approximate true mean temperature.

Daily Observations of Wind within the Tropics.—The information is extracted from MS. data at M.O.

REDUCTION TO TRUE MEAN TEMPERATURE.

The following references give the more important authorities for the corrections which have been applied to reduce the temperatures, either means of observations at fixed hours or means of maxima and minima, to true mean.

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The following table gives approximate corrections for the limits 30° N. to 30° S. to reduce $\frac{1}{2}(M+m)$ to $\mathfrak{T}$, taking into consideration the height and the daily range $(M-m)$. It can be applied in cases where no other correction is available, and has been so used in the tables in this issue.

Daily Range	Height in Metres.							
	0.	500.	1000.	1500.	2000.	2500.	3000.	3500.
a.	a.	a.	a.	a.	a.	a.	a.	a.
4	− ·35	− ·42	−·49	−·56	−·63	−·70	− ·77	− ·84
6	− ·42	− ·50	−·58	−·66	−·74	−·82	− ·90	− ·98
8	− ·52	− ·59	−·65	−·72	−·78	−·85	− ·91	− ·98
10	− ·64	− ·67	−·70	−·73	−·76	−·79	− ·82	− ·85
12	− ·79	− ·76	−·73	−·70	−·67	−·64	− ·61	− ·58
14	− ·97	− ·85	−·73	−·61	−·49	−·37	− ·25	− ·13

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